LAS CRUCES SCHOOL DISTRICT NO. 2

REQUEST FOR PROPOSAL

TELECOMMUNICATION, INTERNET ACCESS AND INTERNAL

CONNECTIONS SERVICES FOR E-RATE 2006

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FOR E-RATE 2006

NOTICE TO RESPONDANTS:

Proposals must be received by the Las Cruces School District No. 2 (LCPS) Purchasing Department, 505 S. Main, Suite 249, Las Cruces, NM   88001, by **3:00p.m. on ~~Thursday, February 9, 2006~~ Wednesday, February 15, 2006 (corrected 2-8-06).**

Solicitation documents may be obtained from the LCPS Purchasing Department, 505-527-5846, or via e-mail upon request by contact Al Puentes at apuentes@lcps.k12.nm.us or Aaron Arzaga at aarzaga@lcps.k12.nm.us. The RFP will be posted on the LCPS web site, http://lcps.k12.nm.us and my e accessed by navigating to departments and then to the Information Technology web page and scrolling down to the E-rate 2006 RFP link.

LCPS reserves the right to accept or reject any or all proposals and to waive minor irregularities. Proposals offering pricing from current federal schedules (GSA), State of New Mexico (SPD), local government or CES pricing agreements shall include a copy of the contract with a cover letter extending the contract prices to the Las Cruces Public Schools.

By responding to this RFP, the respondent agrees to accept a letter of intent enclosed herein that will be issued by LCPS and conditioned upon respondent receiving award for needed services.

Please be advised that it is LCPS policy that all contracts and binding agreements be awarded on a strictly non-discrimination basis without regard to the race, gender or ethnicity of the Contractor.

Respondents should break responses individually by category, i.e. telecommunication, internet or internal communication and by each individual school site. Servers should be bid separately for each site nd each server and necessary accessories should bid separately at each site, i.e. Alameda Firewall Server will be submitted as one FRN and the Alameda Web Server will be submitted as a second FRN. Connectivity to portables should be bid separately for each site as should internal connections. LCPS reserves the right to divide awards between comparable vendors in order to have simultaneous projects. **Responses that fail to provide divided and detailed bids by location, type of service and/or item, will be deemed non-responsive and will not be considered in the evaluation**

E-rate 2006 Information

Chapter 1 General Overview

The Las Cruces Public Schools (LCPS) is seeking a vendor or vendors to provide all LCPS schools and administrative offices with wide area network (WAN) and local area network (LAN) solutions. The solutions will include installation of some network components and internal connections and some provision of equipment for LCPS staff to install. Installation and configuration of all routers, firewall, web, and/or e-mail servers will be done by LCPS staff. Contractors will be expected to install configure and warranty all wiring projects, IP Telephone systems, IPTV systems, classroom drops, wireless and other components identified after the fact, and bridges to portable buildings. All awarded vendors for projects requiring installation must submit a complete scope of work, project time table, and wiring diagram representing current and newly added network components and drops, at the conclusion of each wiring project at each school site as well as all network and component warranty information. The Las Cruces Public Schools' goal is to maintain the current WAN, managed router, Ethernet and Internet services between LCPS and the public to support learning and achievement. LCPS is also currently considering deploying wireless site-to-site connectors which may include, but it not limited to microwave. LCPS is willing to review various proposals if submitted.

a. Overview of LCPS Network and Standards

Most classrooms are currently wired for voice, video, data, and all sites have Internet capabilities. Some facilities do not have a sufficient quantity of network connections, or adequate infrastructure for supporting high-speed connectivity, nor adequate backbone infrastructure. The specific goal and intent of this year's E-Rate application is to ensure 100% connectivity in all learning environments. Wiring projects will only be awarded to vendors whose submissions have Registered Communications Distribution Designer (RCDD) certifications. This certification is to be submitted with the proposal and is solely the vendor's responsibility.

b. LCPS WAN

Internet access is provided by a 16 megabit ATM connection from Qwest. All LCPS locations are connected to the WAN via point-to-point T1 lines. The access for these services is provided under contract stemming from earlier 470 applications with the SLD and is not up for renewal or renegotiation at this time. The school-based enterprise networks are comprised primarily of fiber backbones and each computer has its own 10/100 Mbps port. These networks are primarily supported by 3Com switches and Cisco routers with 3Com wireless access points and Cisco bridges for connectivity of portable buildings. Connectivity between Central Office and schools is to be handled by a distinct router, or a combination of routers.

c. LCPS School Network

Each year an SLA agreement is entered into with Novell for ZenWorks, BorderManager, Netware and GroupWise software to manage the district network and email. The Erateable portions of this contract will be submitted on this year's 470. At the Central Office one Cisco router connects the entire district to the Internet, while a separate router or combination of routers provides the connectivity to schools and other district facilities. The goal for this application is for a consistent, standard configuration for networks to be in place for elementary, middle, and high schools.

d. LCPS Wireless Infrastructure

3Com Access Points comprise the core of the wireless infrastructure. The district currently has wireless coverage at every facility, however, dead zones abound. The district has added a 3Com WX 4400 to help manage the wireless portion of the network. Awards for wireless infrastructure are to include plans for site coverage surveys, deployment of new resources (as needed), redeployment of existing resources (as needed), and the encryption of all components. Consideration should be given that wireless infrastructure may also be impacted by building to building technologies.

e. LCPS voice Infrastructure

The LCPS Voice Infrastructure allows standard POTS communication across the Qwest public network. This local service is under a current contract with Qwest and is not up for renewal or modification at this time. Slightly over half of the school sites have Toshiba telephone systems and the district telephone system connects via a Centrex. The Centrex service is provided by Qwest.

Chapter 2 Server Specifications

The LCPS environment is driven by HP servers. Each location has one or more application servers at this time. Additional firewall servers are being sought for schools and some schools require upgraded web and e-mail servers (single units with multiple functionalities as per specifications in appendices). The LCPS environment also includes Novell servers with applications such as GroupWise E-Mail, and SIMS (Student Information and Management System on an IBM AS400. Web servers and network management server are also included in the LCPS environment. The required detail and models needed for the district are referenced in the attachments of this RFP. Servers must have a minimum three year warranty with quotes to include the option of four and five year warranties.

Chapter 3 LCPS Secure Network (i.e. Firewall, filters, etc.)

LCPS utilizes a combination of hardware, software and physical locations of equipment to minimize malicious attacks. N2H2 and BorderManager work together to provide filtering and blocking for district users. In the individual school specification lists mentions are made of firewall servers for those sites without this protection. The standard models are included in the attachments at the end of this solicitation.   In order to help protect our network against unauthorized access and unauthorized intrusions, quotes are being sought for 3Com X505 tipping points. Technical specification (s) will be listed in the attached school details.

Chapter 4 Network Attached Storage and Storage Area Networks

The LCPS district is currently migrating to NAS/SAN, a large shared storage resource, which allows users to share several file resources over a network. The specifications will be listed below NAS/SAN will be used as a backup and restore resource from the entire LCPS network. It would cut down on the cost of additional hard drives needed for servers. The goal is to co-source the technology services described below:

- Enhance/Improve the operational status and performance of the district-based network infrastructure.

- Maintain and deploy system images.

- On-line, real time asset management.

Vendors are encouraged to submit proposals for NAS/SAN that will achieve these aims for the consideration of the LCPS proposal review committee. Provide substantial documentation for the deployment and software needed to make this system work with the existing LCPS resources.

Chapter 5 Technical Environment

a. Servers/Operating Systems

File servers, proxy servers, and web servers may be requested for specific sites. Technical specifications of such server will be listed in the school details below. The district is in an SLA agreement with Novell to provide the most current version of Netware, ZenWorks, BorderManager, and GroupWise for all district users. The contract expires in November 2006 and the district is seeking a new contract to begin at that time for these same services. LCPS would like to enter into a binding letter of agreement about this new contract.

b. VoIP

Currently, LCPS has fifteen schools that have telephones in some of the classroom and administrative offices utilizing 3Com VoIP. The call manager, voice messaging and gateway to the Qwest public network reside at the school site. The district would like to install a system that functions similarly in the remaining school sites. The equipment is standardized on 3Com for with the same connectivity to the district Centrex and voice mail at additional schools (refer to school detail for clarification).

c. Legacy Voice/FAX Communications

The district seeks to add voice mail capability to all school sites through an upgrade to the 3Com IP telephony solution. The district would also like a proposal as part of this vendor submission for an IP telephone maintenance contract on the 3Com IP telephone systems. **This submission must include all specifics about guaranteed rate of response, rates charged for additions, moves and changes and what is covered under warranty work.** Include costs for new equipment and upgrades to existing 3Com hardware and software. All new installations must include a one year warranty.

Chapter 6 Vendor Accountability

A Microsoft Project planning document is required for the management and execution of each project area. Vendors will be assessed based on strict adherence to service level agreements and performance metrics. Each metric will have associated tasks, goals, and measurements. In addition to the above, the MS project will be used to determine the measure of penalties for not meeting or exceeding goals.

a. Security

LCPS expects vendors to comply with security standards and remain diligent in regards to safeguarding data and access to the network. The vendor shall:

- Wear photo badges that identify the Vendor and the individual's full name.

- Sign-in on all building logs noting the time of arrival, purpose of visit and departure time.

- Avoid classroom disruptions; this may include working alternative hours on wiring projects as well as cleaning up any mess in the classrooms made by workers.

- Lock and secure all areas following after hours or weekend work.

- Communicate project parameters to the building principal by providing daily updates and weekly updates to the director of technology (email).

Vendor shall comply with the District guidelines for security as well as the state law. The contractor shall be responsible for complying with the provisions of §22-10.3.3.B NMSA 1978 requiring two finger pr9int cards from the employees having unsupervised access to students. The cards shall be submitted to the Owner for obtaining the employees' Federal Bureau of Investigation record. Convictions of felonies or misdemeanors contained in the Federal Bureau of Investigation record, if supported by independent evidence, may form the basis for the employment decisions for good and just cause. Records and any related information shall be privileged and shall not be disclosed to any person not directly involved in employment decision s of Contractor's employees with unsupervised access to students. The vendor shall be responsible for all costs associated with meeting these requirements.

b. Confidentiality

Some material and information that may come into the Vendor's possession or knowledge in the performance of these projects may consist of confidential and private information of LCPS or students, the disclosure of which to, or use by third parties may be damaging to, or in violation of applicable law. Vendors agree to hold such information in strict confidence, not to make use of other than when necessary for performance of this contract, and not to release or disclose any information to any other party except as may be required by law. Vendors hereby expressly agree to immediately remove any subcontractor or any of Vendor's employees from performing any work in connection with this contract upon LCPS giving notice to vendor that there is a reasonable belief that such person has failed to meet the confidentiality standards of the contract.

c. Dress Code

All Vendor employees shall adhere to the LCPS dress code and must be neat and clean in appearance. Employees will adhere to administrative regulations related to appropriate dress for safety purposes. Language and behavior of all vendor employees will mirror that of LCPS employee policies and procedures.

d. Subcontractors

Vendors may not, except as specifically specified in the response to this request, delegate, subcontract, assign or otherwise permit anyone other than Vendor personnel to perform any of the work and/or provide any of the services required of the Vendor of this contract, or assign any of its rights or obligations hereunder, without the prior written consent of LCPS, which LCPS has the right to withhold in its sole discretion. No subcontract shall in any way relieve the Vendor of any responsibility for any performance or obligation required of it by this contract. Vendors accept the responsibility for ensuring that all subcontractors who perform any of the services under this contract also comply with all the terms and conditions of this contract. Vendors expressly agree to indemnify and hold blameless LCPS from any and all claims, demands, liabilities, losses, damages, costs and expenses which result from any failure by any such subcontractor to comply with any of the terms and conditions of this contract. Vendor shall give LCPS immediate written notice by registered or certified mail of any claim, actions, or suit filed against Vendor by any subcontractor, and prompt notice of any claim made against Vendor or any subcontractor, which may result in litigations, related in any way to this contract. Vendor must notify LCPS of all subcontractors used to fulfill this contract, including those contracted by their agents.

e. Termination

Termination for cause. LCPS retains the right to terminate any contract or binding agreement resulting from this solicitation as its exclusive option and at no further cost or obligation to itself to reason that the Vendor fails to perform satisfactory in the following areas:

- Fulfillment of contractual commitments or requirements.

- Quality of Service- failure to improve in performance metrics not satisfactorily met.

- Termination action will occur after the Vendor has been notified in writing by LCPS and the Vendor has been provided reasonable time to correct the issue. The timeframe is based on LCPS discretion but will be no less than 30 days.

Termination for convenience. LCPS retains the right to terminate any contract or binding agreement resulting from this solicitation, in whole or in part, for convenience.

- This may include lack of E-rate funding,

- Unsatisfactory service

- Lack of appropriated funding from state or other sources, or

- Because district priorities have shifted.

Chapter 7 Background Information

The mission s of LCPS, under the leadership if it's current Interim Superintendent, Dr. Joann Patton, is focused on student learning through the resources of "the four critical questions." LCPS began the process of curriculum mapping last fall. Teachers complete a summary review of lessons each week and then meet in grade level or department teams to review standards and benchmarks addressed, methods of assessment and student achievement demonstrated in order to begin answering the district's four critical student learning questions:

1. What should a student be able to know and do?

2. How will we know if he/she is able to do it?

3. What will we do if he/she is unable to do it?

4. What will we do if he/she already knows how to do it?

By focusing on student success, LCPS is striving to prepare every child for the future through effective and innovative teaching that meets the needs of the individual learner, while engaging families, teachers, students, and the community to full participate in the educational process. LCPS students attend a total of 35 schools: 23 elementary (20: preK-5, 1: prek-2, 1: 3-5, and 1: preK-8), two of which operate on a balanced (year-round) calendar while most others offer extended-school year programs for at-risk learners; 6 middle schools (6-8), and 3 traditional high schools (9-12) and one alternative high school. Alternative learning locations are provided for special education students and students who are ineligible to attend school on a regular campus. The school system also supports a night high school and several alternative education centers. School services are provided in the Dona Ana County Detention Center, Families and Youth, Inc., and at Mesilla Valley Hospital. It is state law that educational services be provided for all students residing within the boundaries of the Las Cruces Public Schools' District; federal law mandates services to special education students in the same area and these school services may be provided in the student's home when that is the least restrictive placement.

Chapter 8 Project Specifications

a. Connection Portable Buildings

Use of bridges to connect portables has proved to be unreliable. Therefore, we are entertaining proposals to hard wire portable buildings and/or to reconfigure-reinstall existing wireless installations. Although this may seem counterintuitive, all district portable buildings have wire for power, p/a, and/or alarm, therefore the district has no such entity an a "wireless" portables.

b. Wireless Access Points (WAPs)

Each school has a number of wireless access points (WAPs) that provide wireless campus access as part of each site's local area network (LAN). The district has standardized on 3Com WAPs. We have over 500 teachers using laptops between buildings and consistency in hardware means fewer problems. We are increasing coverage and securing the wireless access. Several options abound and we will entertain proposals that employ employ existing resources.   We require NDS authentication for all users in order to access network resources. All users must gain access to the World Wide Web via a controlled-access proxy service.

- 3Com parts and accessories
- Current 3Com access point technology and existing WX4400.
- Omni, directional and sector antennae as needed.
- 6-foot antenna cable

c. Wall Jacks for Classrooms

In each classroom section you will see a listing for current 3Com network jack technology. These are to replace the current single connection jacks in most of our district classrooms. This is a more cost effective solution than adding additional wiring runs in most buildings and it will provide the flexibility for teachers when they have additional machines in each room and want to cluster them in one section to create a computer corner. We would like the current 3Com network jack technology and we would like it with the power over Ethernet multi-port module:

- Current 3Com network jack technology
- 3Com PoE 24-48 port managed switches with GB "uplink".

The specifications for 3Com wall jacks are shown in Section A.

d. Wiring Specifications

LCPS is installing Category 5e or 6 cabling and using fiber optics between MDF's and IDF's in buildings. The district standard is a Siemon's wiring solution with the current 3com network jack technology jacks for the connections in the classrooms

e. Server Specifications

Firewall servers, e-mail servers, and web servers will all be housed on HP server equipment in rack mounted cabinets with UPS and tape back-up software if necessary. Specifications are shown in Section B.

Chapter 9 Submittal Requirements

All responses are to include pricing for each product that is requested in the school details section below. Also, all responses are to identify how long company has been in operation, and give examples of project scopes for similar projects. Resumes of all personnel that will be directly providing services on this project are required in the submittal. Also to be included are any certifications that are awarded to individuals that will be directly providing services on this project, or the company. Descriptions of work in progress with current clients and a description of the approach to this project is also required.

Chapter 10 Evaluation Factors

Responses shall be evaluated based on the following weighted factors:

FACTOR	WEIGHT
Price	45%
Prior experience	25%
Personnel qualifications	20%
Management capability	10%
Total	100%

Chapter 11 Award

Evaluations will be conducted by a review committee considering the evaluation factors listed in Chapter 11 above. The committee will rank the responses according to their relative merits and will recommend award to one or more of the highest ranking respondents to meet the needs of LCPS.

Respondents may be offered an opportunity for negotiation prior to award for the purpose of obtaining the respondent's best and final offer. Any substantial revision will be accepted in writing from the respondent. Negotiations may extend up to the time of award and may require public presentation by the respondent. Respondents may request within their responses non-disclosure of confidential data. Such data will accompany the proposal and will be readily separable from the proposal in order to facilitate eventual public inspection of the non-confidential portion of the proposal.

SAMPLE LETTER OF INTENT

Date:

Company:

Address:

Dear Sir or Madam:

Please accept this letter as intent to enter an agreement for services qualified under the Schools and Libraries Universal Service Support Mechanism (i.e., E-Rate) by Las Cruces School District No.2 (School District). The services shall be provided at a future date upon receipt of a duly authorized purchase order(s).

At this time, no purchase orders may be issued for the needed services as there are currently no funds appropriated. The School District's anticipates funds to be available pending E-Rate approval; however, actual purchase of needed services will be contingent upon funds being appropriated.

SERVICES MAY NOT BE PROVIDED UNTIL A DULY AUTHORIZED PURCHASE ORDER HAS BEEN ISSUED.

The above understandings are made necessary to facilitate timely delivery of the services and to remain in compliance with Bateman Act stipulations that prohibit encumbrance of unbudgeted public funds.

Your cooperation and attention to this matter is greatly appreciated. Should you need additional information or encounter any problems, contact me at (505) 5275846.

Cordially,

Robert Telles Director of Purchasing

Chapter 12 School Details

Alameda Elementary School		
Quantity	**Item**	**Notes**
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
125	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02' Belkin # A3L791-02-YLW-S	
125	RJ45 CAT-5e Patch Cable, Snagless Molded Blue 14 Belkin # A3L791-14-BLU-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
30	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
0	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
5	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites

B.T. Washington Elementary School		
Quantity	**Item**	**Notes**
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
80	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
80	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
76	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
0	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
4	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites

Central Elementary School		
Quantity	**Item**	**Notes**
4	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
75	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
75	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
4	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
50	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
0	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
2	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
2	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
4	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites

Cesar Chavez Elementary School

Quantity	Item	Notes
5	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
100	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
100	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
3	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
3	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
8	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites

Columbia Elementary School

Quantity	Item	Notes
7	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
125	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
125	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
4	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
30	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
0	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
7	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
0	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
2	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
7	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
0	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
1	IP-TV setup (Polycom system)	Comparable to existing sites

Desert Hills Elementary School

Quantity	Item	Notes
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
125	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
125	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
5	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
3	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
2	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
2	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
1	IP-TV setup (Polycom system)	Comparable to existing sites
3	Replace existing wall-mounted data cabinets with floor-standing data cabinets – 22" (minimum) usable depth – active cooling)	3 locations

Doña Ana Elementary School

Quantity	Item	Notes
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
75	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
75	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
60	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
2	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
2	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
4	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
1	IP-TV setup (Polycom system)	Comparable to existing sites
1	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

East Picacho Elementary School

Quantity	Item	Notes
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
75	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
75	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
65	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
2	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
2	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
4	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
1	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
1	Fiber trunk between cabinets in old building	

Fairacres Elementary School

Quantity	Item	Notes
4	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
75	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
75	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
4	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
50	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
0	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
2	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
5	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
1	Fiber trunk between cabinets	

	Hermosa Heights Elementary School	
Quantity	**Item**	**Notes**
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
75	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
75	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
70	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
3	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
2	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
6	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Highland Elementary School

Quantity	Item	Notes
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
75	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
75	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
60	3Com NJ220 Jacks w/ power over Ethernet	Replace/disperse current drops (i.e. new premise wiring)
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
4	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
2	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
10	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
1	Fiber from cabinets 2 and 3 to rack 4 (gym)	
2	Replace existing cabinets – 22" (minimum) usable depth – active cooling	Cabinets 2 and 3

Hillrise Elementary School

Quantity	Item	Notes
4	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
140	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
140	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
5	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
8	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
1	Fiber trunk between existing cabinets	

Jornada Elementary School

Quantity	Item	Notes
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
140	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
140	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
6	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
2	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
6	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
9	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Loma Heights Elementary School

Quantity	Item	Notes
4	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
140	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
140	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
6	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
6	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
70	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
3	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
2	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
5	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
1	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

MacArthur Elementary School

Quantity	Item	Notes
4	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
140	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
140	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
45	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
2	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
0	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
1	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
8	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Quantity	Item	Notes
	Mesilla Elementary School	
4	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
200	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
90	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
50	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
4	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
1	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
1	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
6	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
1	Fiber trunk between existing cabinets	

Mesilla Park Elementary School

Quantity	Item	Notes
5	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
140	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
140	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
4	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
50	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
5	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
8	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
2	Larger data cabinet – 22" (minimum) usable depth – active cooling	Replace 2 existing cabinets
2	Fiber trunk between cabinet	

Sunrise Elementary School

Quantity	Item	Notes
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
0	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
0	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
6	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
0	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
6	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
0	Fiber trunk between existing cabinets	

Tombaugh Elementary School

Quantity	Item	Notes
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
160	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
160	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
6	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
80	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
0	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
4	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
4	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
8	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
3	Fiber trunk between existing cabinets	
1	Replace existing computer lab cabinet	

University Hills Elementary School

Quantity	Item	Notes
4	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
140	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
160	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
40	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
2	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
2	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
4	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Valley View Elementary School

Quantity	Item	Notes
6	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
200	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
120	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
12	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
40	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
2	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
6	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

White Sands Consolidated School

Quantity	Item	Notes
8	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
2	Data poles	Library
150	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
120	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
40	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
5	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
4	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
9	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Camino Real Middle School

Quantity	Item	Notes
10	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
150	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
120	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
65	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
8	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
12	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Lynn Middle School

Quantity	Item	Notes
9	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
275	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
200	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
40	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
9	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
9	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
9	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
9	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Picacho Middle School

Quantity	Item	Notes
8	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
150	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
130	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
10	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
40	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
5	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
5	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
5	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
5	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
0	Multi-service Router	See router-config section
1	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
3	Wall mount cabinet – 22" (minimum) usable depth – active cooling	

Sierra Middle School

Quantity	Item	Notes
8	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
300	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
200	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
5	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
5	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
10	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
60	8-12 port 10/100 auto sensing switches	Replace existing 10Mb rptrs
1	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
4	Wall mount cabinet – 22" (minimum) usable depth – active cooling	
4	Fiber trunk to satellite cabinets	

Quantity	Item	Notes
8	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
300	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
200	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
60	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
4	3Com® 1000BASE-SX GBIC Transceiver	
3	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
0	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
10	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
2	Fiber trunk to satellite cabinets	

Vista Middle School

	Zia Middle School	

Quantity	Item	Notes
8	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
220	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
180	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
8	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
60	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
7	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
9	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
7	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
2	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
10	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products
4	Wall mount cabinet – 22" (minimum) usable depth – active cooling	Potential relocation of 4 existing data cabinets

Las Cruces High School

Quantity	Item	Notes
12	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
300	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
200	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
12	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
10	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
120	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
8	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
8	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
2	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
8	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
0	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Mayfield High School

Quantity	Item	Notes
10	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
300	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
300	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
18	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
6	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
120	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
6	3Com® 1000BASE-SX GBIC Transceiver	
6	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
12	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
8	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
6	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
12	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Oñate High School

Quantity	Item	Notes
10	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
50	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
50	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
0	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
0	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
0	3Com® Switch 4050 # 3C17708-US	
0	3Com® 200W AC Power Supply # 3C17718-US	
0	3Com® 1000BASE-SX GBIC Transceiver	
0	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
0	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
0	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

	San Andres High School	

Quantity	Item	Notes
3	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
130	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
100	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
4	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
4	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
30	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
2	3Com® 1000BASE-SX GBIC Transceiver	
2	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
3	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
5	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Mesilla Valley Technical Center

Quantity	Item	Notes
3	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
60	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
60	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
0	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
0	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
0	3Com® Switch 4050 # 3C17708-US	
0	3Com® 200W AC Power Supply # 3C17718-US	
0	3Com® 1000BASE-SX GBIC Transceiver	
0	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
3	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
0	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
4	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
0	Web Server	See web-config section
0	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

ESC/EXCEL Center

Quantity	Item	Notes
8	3Com® Wireless LAN Access Point 8750 # 3CRWE875075A	
0	Data poles	Library
150	RJ45 CAT-5e Patch Cable, Snagless Molded Yellow 02 Belkin # A3L791-02-YLW-S	
100	RJ45 CAT-5e Patch Cable, Snagless Molded Red 14 Belkin # A3L791-14-RED-S	
0	Multimode MT-RJ/SC Duplex Patch Cable - 6 ' Belkin # F2F20297-06	
8	Multimode MT-RJ Duplex Patch Cable – 6' Belkin # F2F20299-06	
0	3Com NJ220 Jacks w/ power over Ethernet	Replace current drops
1	3Com® Switch 4050 # 3C17708-US	
1	3Com® 200W AC Power Supply # 3C17718-US	
2	3Com® 1000BASE-SX GBIC Transceiver	
4	3Com® SuperStack® 3 Switch 4400 PWR #: 3C17205-US	
4	3Com® SuperStack® 3 Switch 4400 48-Port # 3C17204-US	
3	3Com® SuperStack® 3 Switch 4400 Stacking Kit # 3C17227	
0	3Com® SuperStack® 3 Switch 4400 Stack Extender Kit # 3C17228	
4	3Com® SuperStack® 3 Switch 4400 1000BASE-SX Module # 3C17221	
1	Web Server	See web-config section
1	Firewall Server	See firewall-config section
1	Multi-service Router	See router-config section
0	IP-TV setup (Polycom system)	Comparable to existing sites
0	3Com® VoIP phone solution with v-mail	Separate eligible from ineligible products

Section A: Wall Jacks for Classrooms

Quadruple LAN Connectivity at the Wall
The 3Com® IntelliJack™ Switch NJ220 is an "in-the-wall," managed Ethernet switch that easily quadruples LAN infrastructure connections. Four switched ports and up to two pass-through ports connect a variety of devices via one wall outlet, making it more cost-effective than pulling additional wiring. This unique networking platform is ideal for hard-to-wire spaces such as asbestos-insulated walls, older buildings, dormitories, and modular cubicles.

The wall-mounted form factor is more secure than a freestanding hub or switch. The unit mounts inside the wall space, keeping the switch case and uplink port out of the way. A network jack isn't easily damaged or disconnected, nor will it "grow legs" and vanish. It provides unobtrusive and reliable connectivity for high-traffic locations such as classrooms, public kiosks, conference rooms, and shared office spaces.

The included management software provides port-level monitoring and central administration of the 3Com IntelliJack Switch NJ220. Advanced 10/100 switch features and SNMP compatibility enable network jacks to be discovered and controlled by standard enterprise management platforms-including 3Com Network Supervisor and HP OpenView.

The IntelliJack Switch NJ220 is available in black or cream. Multi-packs of the black NJ220 and the cream NJ220 are also available.

- Four 10/100 Mbps switched ports connect desktops, notebooks, printers, fax machines, or VoIP telephones; optional pass-through ports support telephony or additional networking

- Bundled central management capabilities help streamline IT administration and enhance data security

- Management GUIs offer fine control of a single port, as well as bulk administration for a group of network jacks

- The Location Mapping feature remotely locates any device on the network—a great advantage for troubleshooting

- Standards-based traffic prioritization, multicast rate control, and VLANs balance loads and boost security

- Security features include 802.1x Network Login, RADIUS support, MAC address filtering, traffic monitoring, SNMP traps, 802.1Q VLANs, and wall-mounted case

- Power over Ethernet lowers the risk of power interruptions; port #1 can forward power to another device

- Portable AC power supply for LANs without inline power capabilities is also convenient for installation and configuration

- Compliance with NEMA-WD6 and ANSI commercial building standards helps ensure easy installation.

- Available in black or cream, and in multipacks; Buy Online from online retailers: black, cream, black multipack, cream multipack. Or click "Other Places to Buy" to find a local 3Com connectivity partner

Product Specifications

Faceplate color: Black or cream
Switched ports: Four 10BASE-T/100BASE-TX, RJ-45 connectors
Pass-through ports: One or two, voice/data, RJ-11/RJ-45 connectors
Ethernet Switching: Store-and-forward, full-/half-duplex autonegotiation
Software included: 3Com® Local Configuration Manager and Central Configuration Manager with Location Mapping

Management support: SNMP v1, 802.1Q VLANs, 802.1p traffic prioritization/QoS, IPv4, TOS/Diffserv; 3Com Network Supervisor recommended

Power over Ethernet: IEEE 802.3af-compliant, resistive- or capacitive-detection; some Cisco proprietary Power over Ethernet schemes

Local power: 3Com Network Jack AC Power Supply (3CNJPSL) required for LANs without Power over Ethernet capabilities

Power forwarding: Through port #1; requires 802.3af-compliant or 48 V Power over Ethernet, or 3Com AC Power Supply

Networking standards: 802.3, 802.3u, 802.3af, 802.1p, 802.1Q, 802.1X, QoS, SNMP v1, DHCP

Building standards: NEMA-WD6, ANSI/TIA/EIA-568, ANSI/TIA/EIA-569

LED indicators: Unit power, unit link, port link, power forwarding

Dimensions: 11.4 cm (4.5 in) high, 7 cm (2.75 in) wide, 5.8 cm (2.3 in) deep (includes faceplate)

Safety, emissions: FCC Class A, CSA, C-Tick, NOM

Temperature: 0° to 35° C (32° to 95° F) operating, -30° to 90° C (-22° to 194° F) storage

Humidity (noncondensing): 10%-90% operating, 5%-95% storage

System Requirements

Management console requires Pentium processor, 15 MB disk space, Windows 2000 or Windows NT 4.0 with Service Pack 6 installed Package Contents

Package Contents

IntelliJack switch
Mounting screws
Adapter plates; Panduit, Avaya, and blank (no pass-through ports), and screws
RJ-45 male/male coupler cable (for LAN downlink port with female RJ-45 connector)
CD-ROM with user guide, 3Com Local Configuration Manager, and 3Com Central Configuration Manager
Quick Start Guide

Please Note

3Com IntelliJack Switches and Network Jacks meet wiring and building standards for various countries; consult our online **product and country selection guide** to find the appropriate network jack for your country or region.

3Com IntelliJack Switches and Network Jacks require a Power over Ethernet power source or local power supply suitable for your country or region; please consult our online **product and country selection guide**.

The 3Com IntelliJack Switch NJ220 can be powered directly from most Cisco proprietary inline power switches. For information regarding support of Cisco Power over Ethernet schemes, please contact your local 3Com sales office.

Windows 98 or 95 operating systems not recommended for use with management platforms.

IntelliJack switches and Network Jacks can also be powered with **3Com Ethernet Power Products**, models 3C10222 or 3C10220

Adapter plates for other manufacturers are available (20-packs only), see **Required and Optional** Products.

Section B: Server Configurations

Quantity	Item	Notes
4	ProLiantBL20p G3 server blade 2- Intel® Xeon™ Processors 3.00GHz/800 FSB 2MB cache Processor 2 GB REG PC2-3200 (2X1GB) memory Storage controller- Smart Array 6i controller Network Card- (1) NC7781 PCI-X Gigabit NIC (embedded) with WOL and PXE 1- 10/100T NIC (embedded) dedicated to iLO management Additional network card- HP BL20p G3 NIC mezzanine with 3 NC7781 PCI-X Gigabit Drive cage- (2) 1-inch wide ultra3 hot plug drive bays 1st hard drive- HP 36.4GB Pluggable Ultra320 SCSI 15,000 rpm (1") Universal Hard Drive 2nd hard drive- HP 36.4GB Pluggable Ultra320 SCSI 15,000 rpm (1") Universal Hard Drive Server management- Integrated Lights-Out (iLO) Management Advanced Warranty- 3 years- parts, labor, onsite- next business day Fibre Channel HBA for BL20p G3 (Qlogic-based)	
1	ProLiant BL p-class RJ-45 Patch panel 2 with Fibre pass-through (pair)	
1	ProLiant BL p-class Server Blade Enclosure with ProLiant Essentials Rapid Deployment Pack V1.x	
1	HP BLp 1U Pwr Enclosure w/2 Pwr Sply Kit	
2	HP BLp Opt 1U Power supply Kit	
2	Hp 24A Hv Core Only Corded PDU	
1	HP StorageWorks Modular Smart Array 1000 Protocol support- Wide Ultra3 SCSI (160 MB/s per channel) support SCSI ports- 4 channel: 2 external/2 internal SCSI ports Drives supported- Up to 42 drives supported Maximum Capacity- 12 TB SCSI maximum capacity Logical drives- Up to 32 logical drives Cache memory- 256 MB cache memory standard, expandable to 512MB Hard disk drives- HP Ultra3, Ultra2, and Ultra320 SCS 1-inch universal drives	
1	HP StorageWorks Modular SAN Array 1000 controller	
1	Modular SAN Array 1000 2GB Fibre Channel I/O Module- Factory Integration	
10	72.8GB Pluggable Ultra320 SCSI 15,000 rpm Universal Hard Drive (1")	
2	5 m LC-LC Multi-Mode Fibre Channel Cable	

2	HP StorageWorks 4/8 SAN Switch- 8 port 4Gb/s switch with zero e-ports *single-switch fabric	
6	Short Wave SFP- Field Install	

Section C: Router Configuration

	Multi-Service Router Configuration	
Quantity	**Item**	**Notes**
1	Cisco® 2821 Integrated Services Router	Upgrade DRAM to 512MB
1	Cisco® RPS-675	
2	Cisco® WIC-1DSU-T1-V2	
1	Cisco® NM-16ESW-PWR	
1	Cisco® HWIC-1GE-SFP	
1	Cisco® IOS 12.4 (or current)	Must support IPS and QOS
1	Cisco® CiscoWorks SNMS	