6.2	• Dielectric with standing voltage: 1,000 Volts , RMS, 60Hz, 1min.		
6.3	• Contact resistance: 20 milli ohms max.		
6.4	• Current rating: 1.5 AMPS at 20°C		
7	CAT6 Information Outlet		
7.1	• Meet ANSI/TIA-568-C.2 Cat.6 15M Short Link requirements		
7.2	• Accept 22~24AWG, stranded or solid wire		
7.3	• IDC connector with large space of each pair to improve crosstalk		
7.4	• Modular jack meet FCC part 68		
7.5	• Wiring: T568A/B		
7.6	• ETL Verified Certificate Of Conformance		
7.7	• UL Verified		
7.8	• ISO/IEC11801 2nd edition		
7.9	• ANSI/TIA Standard 568-2.D		
7.10	• CENELEC EN 50173		
8	Features		
8.1	• Vertical and Horizontal Jack versions available		
8.2	• All-in-one Punch down of 8 wires		
8.3	• Even wire trim process		
8.4	• Maintains gas tight IDC connections		
8.5	• Minimizes return loss & cross talk		
8.6	• Multi use Keystones, can be used in Ezi-Tool and also standard punch down tool		
9	Benefits		
9.1	• Maintains gas tight IDC connections		
9.2	• Insertion Loss reduction		
9.3	• Removes risk of insulation and/or keystone jack damage		
9.4	• Multi use ezi-JACKS, can be used in ezi-TOOL and also standard punch down tool		
9.5	• Wires pushed down over IDC instead of impact 110 style		
9.6	• Removal of impacting to terminate improves return loss and cross-talk at termination points		
9.7	• Less termination failures and better overall bandwidth for customer		
	U/UTP Patch Cord Specification		
1	Application		
1.1	• Voice		
1.2	• ISDN		
1.3	• 10Base T(IEEE 802.3)		
1.4	• Fast Ethernet(IEEE802.3)		
1.5	• 100Vg-AnyLAN(IEEE 802.12)		
1.6	• Token Ring(IEEE 802.5)		
1.7	• TP-PMD(ANSI X3T9.5)		
1.8	• 100Base-T Ethernet(IEEE 802.3u)		
1.9	• 155/622 Mbps ATM		
1.10	• 1000Base-T		
1.11	• 550 MHz Broadband video		
2	Standards		

2.1	▪ *UL, ETL Verified*	
2.2	▪ *ANSI/TIA-568-C.2*	
2.3	▪ *ISO/IEC 11801*	
2.4	▪ *EN 50173*	
3	*Product Description*	
3.1	▪ *Meet all category 6 channel performance requirements specified in ANSI/TIA-568-C.2*	
3.2	▪ *110 type IDC termination*	
3.3	▪ *Accept 22~26AWG, stranded or solid wire*	
3.4	▪ *Modular jack meet FCC part 68*	
3.5	▪ *Wiring: T568A/B*	
4	*Environmental Conditions*	
4.1	▪ *Temperature range: Storage: -40 to +70°C Operational: -10 to +60°C*	
4.2	▪ *Relative humidity (operational): max. non-condensing 93% Electrical Characteristics*	
4.3	▪ *Insulation resistance between any two conductors: 500 Mega-Ohms min.*	
4.4	▪ *Dielectric with standing voltage: 1000V, RMS, 60HZ, 1 MIN.*	
4.5	▪ *Current rating: 1.5 AMPS at 20°C*	
4.6	▪ *DC resistance: Max. 0.1 Ohms*	
4.7	▪ *Contact resistance: 20 Milli-Ohms max.*	
5	*Physical Characteristics*	
5.1	▪ *Housing: High-impact, Flame Retardant, UL94V-0 rated, spring wire/contact blades.*	
5.2	▪ *Contact material: Phosphor bronze alloy*	
5.3	▪ *Contact plating: 24 Karat hard gold (50 micro-inch plating thickness) over 100 micro-inch nickel.*	
6	*Mechanical Characteristics*	
6.1	▪ *Total mating force: 800 grams for a 8 wire leads minimum.*	
6.2	▪ *Retention: 30lbs min between the jack and plug.*	
6.3	▪ *Insertion/Extraction life: 750 cycles minimum.*	
6.4	▪ *Number of IDC terminations: 200 minimum*	
7	*Faceplate*	
7.1	▪ *These faceplates are made from high-impact ABS plastic to ensure years of durable usage*	
7.2	▪ *Accept all kinds of CAT 3, CAT 5e and CAT 6 UTP keystones to fit with different performance requirements2*	
7.3	▪ *Available in 1 port to 4 ports*	
	8-Port POE Switch + 2 SFP Ports (17 Units)	
1	Network Interface - *Proposed switch must have (8) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports*	
2	Management Interface - *Ethernet In-Band*	
3	Non-Blocking Throughput - *Must at least provide 10 Gbps*	
4	Switching Capacity - *Must at least provide 20 Gbps*	

5	Forwarding Rate - *Must at least provide 14.88 Mbps*	
6	Maximum Power Consumption - *The network switch must have a maximum power of at least 150W including PoE output and at least 20W excluding PoE output.*	
7	PoE Interfaces - *Must have 8 PoE ports which supports PoE+ IEEE 802.3af/at and 24VDC Passive PoE*	
8	Max. PoE Wattage - *At least 34.2 W per port*	
9	Max. Passive PoE - *At least 17W per port*	
10	Voltage Range 802.3at Mode - *Must have at least 50-57V*	
11	24V Passive PoE Voltage Range - *Must have at least 20-27V*	
12	Power Supply - *AC/DC, Internal, 150W DC*	
13	Operating Temperature - *-5 to 45° C (23 to 113° F)*	
14	Operating Humidity - *5 to 95% Noncondensing*	
15	ESD/EMP Protection - *Air: ±24 kV, Contact: ±24 kV*	
16	Shocks and vibration - *Must conform with ETSI300-019-1.4 Standard*	
17	Certifications - *CE, FCC, IC*	
18	Software Management - *The switch must have a wireless network management software solution that allows to manage multiple wireless networks using a web browser.*	
19	Brand/Standard - *The technology or brand must either be American or European for a more Global Standard compliance.*	
20	Local Support - *The brand must have local 2nd level support via its distributor that is compliant with global standard like ISO or Duns and Bradstreet to maintain a quality-of-service (QOS) delivery.*	
	16-Port PoE Switch + 2 SFP Ports (4 Units)	
1	Network Interface - *Proposed switch must have (16) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports*	
2	Management Interface - *Ethernet In-Band*	
3	Non-Blocking Throughput - *Must at least provide 18 Gbps*	
4	Switching Capacity - *Must at least provide 36 Gbps*	
5	Forwarding Rate - *Must at least provide 26.78 Mbps*	
6	Maximum Power Consumption - *The network switch must have a maximum power of at least 150W including PoE output and at least 28W excluding PoE output.*	
7	PoE Interfaces - *Must have 16 PoE ports which supports PoE+ IEEE 802.3af/at and 24VDC Passive PoE*	

8	Max. PoE Wattage - *At least 34.2 W per port*	
9	Max. Passive PoE - *At least 17W per port*	
10	Voltage Range 802.3at Mode - *Must have at least 50-57V*	
11	24V Passive PoE Voltage Range - *Must have at least 20-27V*	
12	Power Supply - *AC/DC, Internal, 150W DC*	
13	Operating Temperature - *-5 to 40° C (23 to 104° F)*	
14	Operating Humidity - *5 to 95% Noncondensing*	
15	ESD/EMP Protection - *Air: ±24 kV, Contact: ±24 kV*	
16	Mounting - *Rack-Mountable or Wall-Mountable*	
17	Shocks and vibration - *Must conform with ETSI300-019-1.4 Standard*	
18	Certifications - *CE, FCC, IC*	
19	Software Management - *The switch must have a wireless network management software solution that allows to manage multiple wireless networks using a web browser.*	
20	Brand/Standard - *The technology or brand must either be American or European for a more Global Standard compliance.*	
21	Local Support - *The brand must have local 2nd level support via its distributor that is compliant with global standard like ISO or Duns and Bradstreet to maintain a quality-of-service (QOS) delivery.*	
	16-Port PoE Switch + 2 SFP Ports Layer 3 (1 Unit)	
1	Network Interface - *Proposed switch must have (16) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports*	
2	Management Interface - *(1) RJ45 Serial Port, Ethernet In/Out Band*	
3	Non-Blocking Throughput - *Must at least provide 18 Gbps*	
4	Switching Capacity - *Must at least provide 36 Gbps*	
5	Forwarding Rate - *Must at least provide 26.78 Mbps*	
6	Maximum Power Consumption - *The network switch must have a maximum power of at least 150W including PoE output and at least 28W excluding PoE output.*	
7	Max. PoE Wattage - *At least 34.2 W per port*	
8	Max. Passive PoE - *At least 17W per port*	
9	Voltage Range 802.3at Mode - *Must have at least 50-57V*	
10	24V Passive PoE Voltage Range - *Must have at least 20-27V*	
11	Power Supply - *AC/DC, Internal, 150W DC*	
12	Operating Temperature - *-5 to 40° C (23 to 104° F)*	