

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 ANSITIA-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	▪ ANSITIA 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	▪ ANSITIA-568-C.2
2.3	▪ ISO/IEC 11801

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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 keystone to fit with different performance requirements ²
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.

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7	PoE Interfaces - <i>Must have 8 PoE ports which supports PoE+ IEEE 802.3af/at and 24VDC Passive PoE</i>
8	Max. PoE Wattage - <i>At least 34.2 W per port</i>
9	Max. Passive PoE - <i>At least 17W per port</i>
10	Voltage Range 802.3at Mode - <i>Must have at least 50-57V</i>
11	24V Passive PoE Voltage Range - <i>Must have at least 20-27V</i>
12	Power Supply - <i>AC/DC, Internal, 150W DC</i>
13	Operating Temperature - <i>-5 to 45° C (23 to 113° F)</i>
14	Operating Humidity - <i>5 to 95% Noncondensing</i>
15	ESD/EMP Protection - <i>Air: ±24 kV, Contact: ±24 kV</i>
16	Shocks and vibration - <i>Must conform with ETSI300-019-1.4 Standard</i>
17	Certifications - <i>CE, FCC, IC</i>
18	Software Management - <i>The switch must have a wireless network management software solution that allows to manage multiple wireless networks using a web browser.</i>
19	Brand/Standard - <i>The technology or brand must either be American or European for a more Global Standard compliance.</i>
20	Local Support - <i>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.</i>
	16-Port PoE Switch + 2 SFP Ports (4 Units)
1	Network Interface - <i>Proposed switch must have (16) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports</i>
2	Management Interface - <i>Ethernet In-Band</i>
3	Non-Blocking Throughput - <i>Must at least provide 18 Gbps</i>
4	Switching Capacity - <i>Must at least provide 36 Gbps</i>
5	Forwarding Rate - <i>Must at least provide 26.78 Mbps</i>
6	Maximum Power Consumption - <i>The network switch must have a maximum power of at least 150W including PoE output and at least 28W excluding PoE output.</i>
7	PoE Interfaces - <i>Must have 16 PoE ports which supports PoE+ IEEE 802.3af/at and 24VDC Passive PoE</i>
8	Max. PoE Wattage - <i>At least 34.2 W per port</i>
9	Max. Passive PoE - <i>At least 17W per port</i>
10	Voltage Range 802.3at Mode - <i>Must have at least 50-57V</i>
11	24V Passive PoE Voltage Range - <i>Must have at least 20-27V</i>
12	Power Supply - <i>AC/DC, Internal, 150W DC</i>
13	Operating Temperature - <i>-5 to 40° C (23 to 104° F)</i>
14	Operating Humidity - <i>5 to 95% Noncondensing</i>

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)
13	Operating Humidity - 5 to 95% Noncondensing
14	ESD/EMP Protection - Air: ± 24 kV, Contact: ± 24 kV
15	Mounting - Rack-Mountable or Wall-Mountable
16	Shocks and vibration - Must conform with ETSI300-019-1.4 Standard
17	Certifications - CE, FCC, IC
18	Brand/Standard - The technology or brand must either be American or European for a more Global Standard compliance.
19	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.