Z-MAX™ 6A UTP PATCH PANELS

Z-MAX 6A UTP patch panels harness unprecedented performance and reliability in a high-density modular solution. These complete patch panel kits combine 19 inch patch panels with Z-MAX 6A panel outlets to offer the industry's highest performing category 6A patching solution.

The Z-MAX 6A UTP patch panels facilitate a world-class installation for data centers and telecommunications rooms by offering an attractive appearance combined with flexible labeling and color coding options.

The Z-MAX panel modules feature a patent pending angled IDC contact pattern to exploit the widest module cross-section to minimize alien crosstalk. This enables up to 48-ports in just 1U while still meeting strict category 6A AXT requirements.

6A

PATENTED

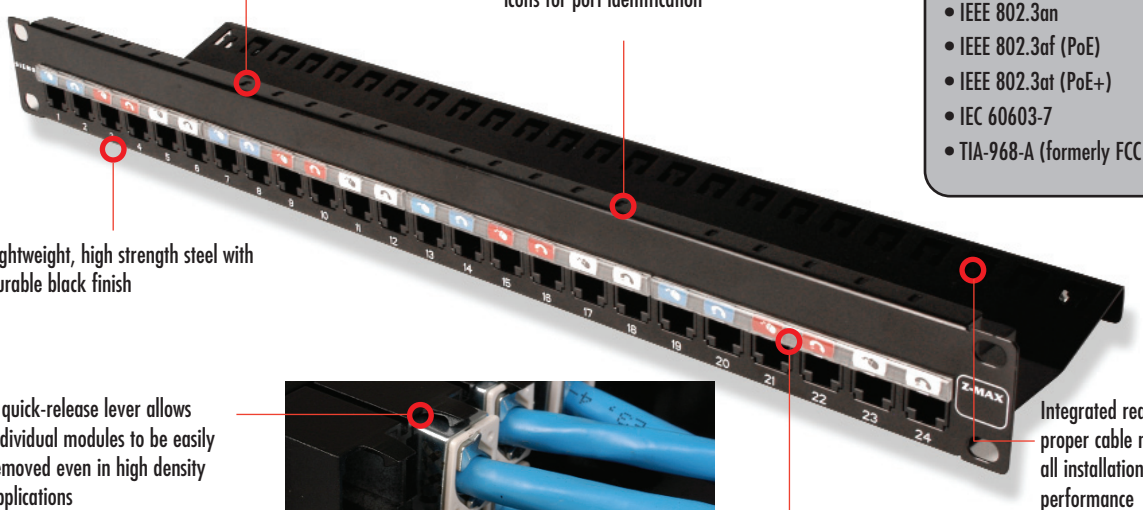
Z-MAX™

STANDARDS COMPLIANCE

- ANSI/TIA-568-B.2-10
- ISO/IEC 11801:2002 Amendment 1 (Class E_A)
- IEEE 802.3an
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE+)
- IEC 60603-7
- TIA-968-A (formerly FCC Part 68 Subpart F)

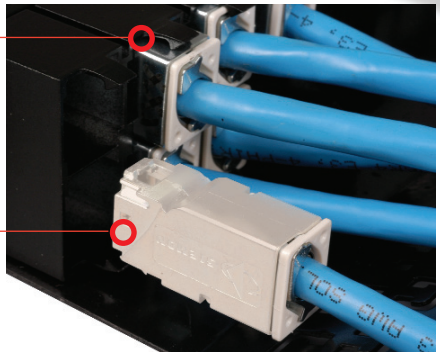
Additional space is provided for custom user labeling

High visibility snap-on magnifying label holders except either paper labels or Z-MAX icons for port identification



Lightweight, high strength steel with durable black finish

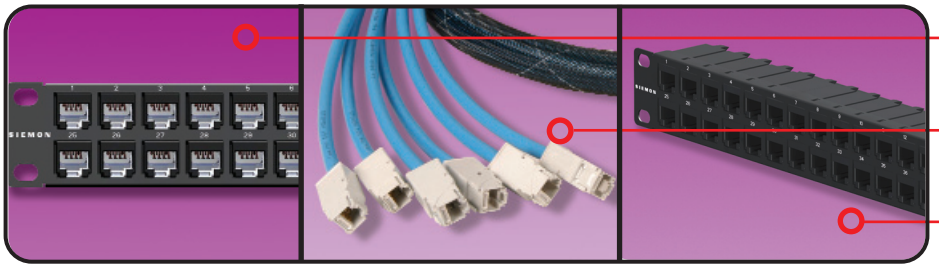
A quick-release lever allows individual modules to be easily removed even in high density applications



Panel outlets easily snap into place to accelerate installation

Integrated rear cable manager ensures proper cable management practices for all installations, critical to category 6A performance

Bold port numbering enables quick identification of outlets



Panels are provided in complete kits which include the patch panel and Z-MAX panel outlets

Leverage the quick-snap design by combining Z-MAX trunk assemblies with empty Z-MAX patch panels

High density version provides 48 ports in just 1U to reduce valuable rack space consumption

PRODUCT INFORMATION

Performance Specification Chart:

ELECTRICAL	
Contact Resistance	20 mΩ
Input to Ouput Resistance	200 mΩ
Min. Dielectric Withstand Voltage (contact to contact)	1000 V DC or AC peak
Min. Dielectric Withstand Voltage	1500 V DC or AC peak
Insulation Resistance	500 mΩ
Compatibility	Backwards to cat 5e and cat 6
Current Rating	1.5 A
PoE	Suitable for PoE and PoE+
MECHANICAL — GENERAL	
Operating Temperature	-10 to 60 °C, (14 to 140 °F)
Flammability Rating	UL 94 V-0
Green Features	RoHS, lead-free, halogen-free, PVC free
Housing Material	Glass-reinforced nylon
Contact Materials	Plated phospher bronze, stainless steel
Plastic Materials	Flame retardant themoplastic
Dimensions (LxWxH)	109.2 mmx 482.6mm x 44.2mm (4.30"x19.00" x1.74 ")
Mounting	CEA-310-E 19-inch (482.6mm) rack
Material — Panel	18 gauge cold rolled steel, black e-coat
MECHANICAL — JACK	
Number of Plug Insertion Cycles	2500
Min. Contact Force	50g
Min. Plug Retention Force	50N
Plug Compatibility	Compatible with RJ45 (8-position) or RJ11 (6-position) plugs

MECHANICAL — TERMINATION	
Wire Size Range (nominal)	23-26 AWG solid and stranded
Wire Insulation Diameter Range (max)	1.48mm (0.058 in)
Conductor OD Size (max)	0.60mm (0.023 in)
Cable OD (max)	9mm (0.354 in)
Reterminations	5
Wiring	T568A/B

MODULAR PATCHING

Ordering Information:

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Z6A-PNL(X)-24K.....Z-MAX 24-Port, CAT 6A UTP Patch Panel Kit, 1 RMS, Black, with Jacks
Z6A-PNL(X)-U48K.....Z-MAX 48-Port, CAT 6A UTP Patch Panel Kit, 1 RMS, Black, with Jacks
Z-PNL(X)-24E.....Z-MAX 24-Port UTP Patch Panel, 1RMS, Black, Empty
Z-PNL(X)-U48E.....Z-MAX 48-Port UTP Patch Panel, 1RMS, Black, Empty

Mounting Style
(Blank) - Flat
A - Angled

*Call for availability

Panel Accessories

Z-PNL-PL24.....Patch panel label sheet, numbered 1 to 24, bag of 100
Z-PNL-PL48.....Patch panel label sheet, numbered 25 to 48, bag of 100
Z-PNL-PS .....Patch panel label holder, bag of 25
Z6A-P .....Z-MAX 6A UTP panel outlet

Note: Z-MAX UTP panels are designed for use with Z-MAX UTP panel outlets only

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