

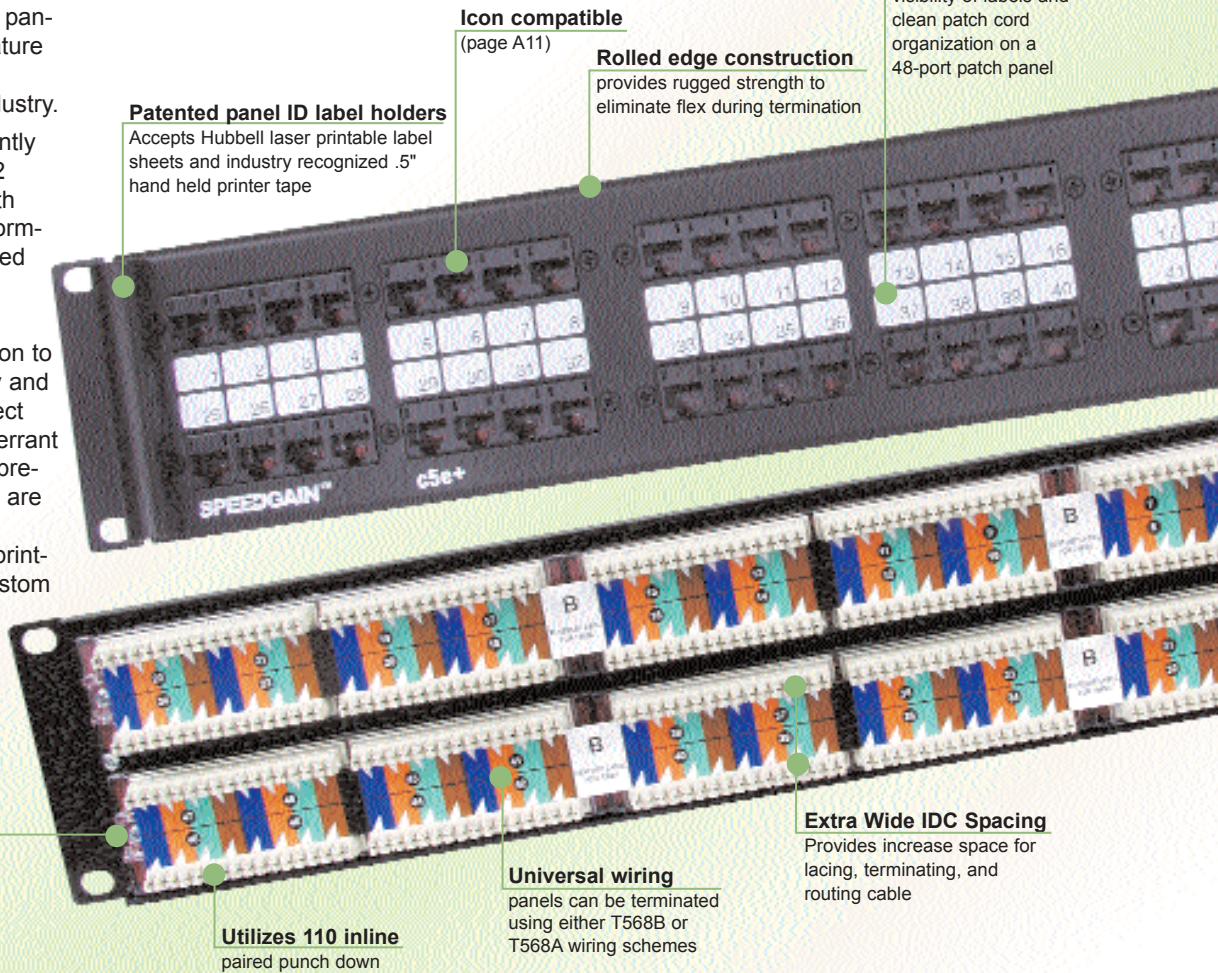
SPEEDGAIN™ 5e Patch Panels



SPEEDGAIN 5e series patch panels offer the most rugged, feature rich, and high performance Category 5e panels in the industry.

SPEEDGAIN panels significantly exceed ANSI/TIA/EIA 568-B.2 Category 5e requirements with component and channel performance to 190MHz with enhanced warranty protection.

SPEEDGAIN panels utilize a rugged rolled edge construction to provide superior panel rigidity and a clear plastic shroud to protect PCB from contaminants and errant terminations. A full series of pre-printed identification products are available as well as Hubbell Labeling Software and laser printable sheets for generating custom port labels.



Centered port identification
allows for greater visibility of labels and clean patch cord organization on a 48-port patch panel

Icon compatible
(page A11)

Rolled edge construction
provides rugged strength to eliminate flex during termination

Patented panel ID label holders
Accepts Hubbell laser printable label sheets and industry recognized .5" hand held printer tape

Cable management
Optional cable management/strain relief bar (PCBLMGT) clips to the rear of panel without additional hardware

Extra Wide IDC Spacing
Provides increase space for lacing, terminating, and routing cable

Universal wiring
panels can be terminated using either T568B or T568A wiring schemes

Utilizes 110 inline
paired punch down

▶ APPLICATIONS

- ◆ Gigabit Ethernet 1000BASE-TX
- ◆ 10/100/1000 BASE-T Ethernet
- ◆ IEEE 802.3ab (<1*10⁻¹⁰) Gigabit Ethernet Verified
- ◆ IEEE 802.3af - DTE Power compliant
- ◆ 155/622 Mbps ATM
- ◆ Analog Voice and digital (VoIP) voice
- ◆ Analog (broadband, baseband) and digital video
- ◆ 100 Mbps TP-PMD
- ◆ 4/16 Mbps Token Ring

▶ PERFORMANCE SPECIFICATIONS

- ◆ Exceed ANSI/TIA/EIA-568-B.2 Category 5e component standards
- ◆ ETL verified component compliant
- ◆ Interoperable and backward compatible to lower performing cabling systems.
- ◆ 4-Connector SPEEDGAIN 5e positive PSACR to 190MHz (see page A6 for details)

▶ AGENCY LISTINGS

- ◆ ANSI/TIA/EIA-568-B.2 Category 5e component compliant
- ◆ UL and cUL
- ◆ CENELEC EN 50713 and ISO/IEC 11801 compliant (class D, 2nd Edition)
- ◆ Conforms to FCC 47 Part 68.5

▶ PRODUCT SPECIFICATIONS

PANEL METAL

- ◆ .090 Thick Aluminum
- ◆ Durable black powder coat finish
- ◆ Dimensions and mounting holes per EIA-310-D

IDC

- ◆ Towers - Flame retardant UL 94 V-0
- ◆ Contacts - high performance copper with tin/lead plating
- ◆ Compatible with all industry 110 impact tools
- ◆ Fully protected PCB circuitry

JACKS

- ◆ Housing: flame retardant UL 94 V-0
- ◆ Contacts - High performance copper alloy with precious metal plating
- ◆ Rated for 750 plug insertions



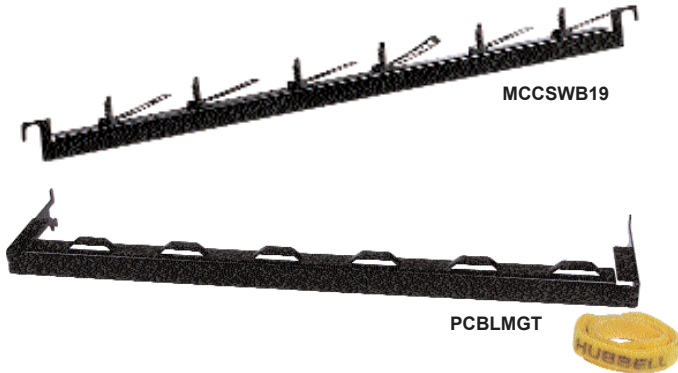
ORDER INFORMATION



Front view



Rear view



MCCSWB19

PCBLMGT



SPEEDGAIN™ - Category 5e Patch Panels

SPEEDGAIN Category 5e panels are offered in port counts from 16- to 96- ports in T568B and universal wiring schemes. Universal panels are supplied with labeling for T568B wiring, but can be easily be converted to T568A with a simple flip of the universal wiring label. Optionally, universal panels are offered with a cable management bar (PCBLMGT) to eliminate cable bend radius control concerns and provide cable strain relief.

Delivery: 1 Cat 5e patch panel
Clear plastic label holders
Universal wiring labels
1 Rear cable management bar (PCBLMGT)*
Mounting hardware



| Ports | Height | Rack Units | Universal | T568B | Universal with Bar* |
|-------|-------------|------------|----------------|------------------|---------------------|
| 16 | 1.75" (45) | 1 | P5E16UE | P5E16B19E | - |
| 24 | 1.75" (45) | 1 | P5E24UE | P5E24B19E | P5E24U |
| 48 | 3.50" (89) | 2 | P5E48UE | P5E48B19E | P5E48U |
| 96 | 7.00" (178) | 4 | P5E96UE | P5E96B19E | - |

Patch Panel Cable Management

Hubbell cable management bars eliminate cable bend radius control concerns, provide needed cable strain relief, and allow jacketed cables to be routed directly to the point of termination to help maintain proper pair twist.

| Description | Catalog No. |
|--|-----------------|
| Rear Cable Management Bar, clips to rear of P6 and P5e series panels | PCBLMGT |
| 19" Rear Cable Management Bar - Screws to rear rack flange | MCCSWB19 |
| 23" Rear Cable Management Bar - Screws to rear rack flange | MCCSWB23 |



See page A58

Patch Panel Labeling Solutions

Patch Panel Laser Printable Label Sheets and Covers (XPHPP10) offers extensive labeling options for the front of Hubbell patch panels. The Hubbell Label Software is available on-line for creative identification.

Delivery: 10 8.5" x 11" label sheets

| Description | Identifies | Catalog No. |
|--|------------|-------------------|
| Adhesive Patch Panel 8-Port front Labels | 1600 Ports | XPLPPA10W |
| Patch Panel 8-Port Adapter Paper labels. Use with label holders supplied with panel. | 1440 Ports | XPLPP10W* |
| Patch Panel ID Paper Labels. Use with supplied vertical ID label holders. | 180 Panels | XPLPPID10W |

* Standard color is white, for other colors replace "W" with one of the following: "Y" = yellow or "B" = blue.



Patch panel port identification is further enhanced with port numbering designation strips. Pre-printed numbering strips are made of a durable black polycard material with a pressure sensitive adhesive back. Port numbering strips provide the capability to consecutively number separate patch panels up to 480.

Delivery: 60 8-Port Strips

| Description | Identifies | Catalog Number |
|--|------------|------------------|
| Adhesive Pre-Printed Number Strips 1-480 | 480 Ports | XPL1TO480 |