

iD Active Patch Panel



The iD Active patch panel has been designed from the well established and proven Global 6 Category 6 range of patch panels.

The panel offers exceptional Category 6 performance within a high density format. Each patch panel is a modular unit; presenting 24 ports per 1U, with the 3 PCB's each offering 8 RJ45 ports.

Produced in the HellermannTyton UK production facility under exacting ISO9001:2000 quality standards, the iD patch panel offers the end-user the perfect combination of price, performance and quality.

Technical Description

The iD Active patch panel is a TIA Category 6 compliant, 24 port, 1U patch panel.

Power and communications is provided by the iD bus which is derives from a Closet Controller via a bus management panel.

LED's are present at each port and are used to indicate connections, disconnections and the carrying out of Work Orders.

Easy access for field termination of horizontal cabling with cable tie points make the panel easy to install.

Features and Benefits

- **High density panel (24 ports per 1U)**
- **3 x 8 Grouped port modules**
- **568A or 568B wiring options**
- **24 bright red LED indicators**
- **Meets all ISO/TIA Category 6 performance standards where applicable**
- **Backward compatible Cat 5, Cat 5e & Voice**
- **Fully compatible with iD software**
- **Standard RJ45 connectivity for Bus communications**
- **Accepts IDC and 110 punch down tools**
- **Automatic detection of all connections and disconnections**
- **Manageable, step by step MAC's (Moves, Adds and Changes)**
- **Enhanced security features, responsive configurable alarms and event management**
- **100% accurate, real-time visibility of assets and their utilisation**
- **Distributed, modular and scaleable**
- **Cost and time saving, fewer errors, manage change with no paperwork**

To arrive at the optimum performance levels for this product it is advisable to use inter panel cable guides for patch cable management and strain relief.

Custom marking and identification fields are available by means of push-in, transparent plastic label lenses, available, which are supported by HellermannTyton's Alpha Label software package.

iD Active Patch Panel

Ordering Codes:

1/2408IDC-C6-IDHW	1u 24 Port Category 6 iD Active Patch Panel
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Dimensions:

	Height	Depth	Weight (Approx.)
1/2408IDC-C6-IDHW	44mm	110mm	TBA

- Jack life min. 1000 insertions
- IDC Life up to 50 re-insertions
- Max. of two wires per IDC contact (same gauge)
- Wire gauge 22 - 24 AWG

Applications Supported

iD patch panel products are designed for use in any data or voice cabling system that is capable of running over a Category 6 system. The patch panel allows total flexibility between host and user devices within the cabling network and can support many different known high performance and legacy protocols by the use of baluns or adapters. Global's enhanced performance is ideal for video applications attributed to its superior impedance and NEXT performance.

Protocol	Common Pairs	Bit Rate	Bandwidth	Cabling Class used*
Analogue Voice Systems	1	Analogue	< 1MHz	Category 5 (Class D)
Digital Voice Systems	1	Analogue	< 1MHz	Category 5 (Class D)
ISDN	1 & 3	64/128Kbits	< 1MHz	Category 5 (Class D)
ICL	2 & 4	1Mbits	<16MHz	Category 5 (Class D)
10BaseT	2 & 3	10Mbits	16MHz	Category 5 (Class D)
4/16 Mbit Token Ring	1 & 3	4/16Mbits	20MHz	Category 5 (Class D)
100BaseT	2 & 3	100Mbits	32MHz	Category 5 (Class D)
100BaseT4	1, 2, 3 & 4	100Mbits	16MHz	Category 5 (Class D)
155 ATM	2 & 4	155Mbits	100MHz	Category 5E (Class D-2000)
AS400	1 & 2	2Mbits	<16MHz	Category 5 (Class D)
IBM 3270	1 & 2	1Mbits	<16Mhz	Category 5 (Class D)
Baseband Video CCTV, etc.	1	Analogue	<10MHz	Category 5 (Class D)
Building Management Systems	1, 2, 3 & 4	Analogue	<1MHz	Category 5 (Class D)
1000BaseTx	1, 2, 3 & 4	1Gbits	100MHz	Category 5E (Class D-2000)
1000BaseT	2&3	1Gbits	200MHz	Category 6 (Class E-2000)

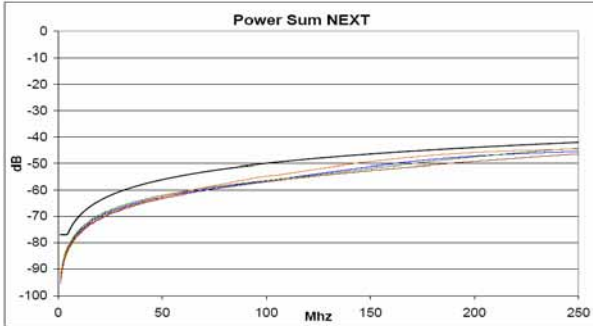
iD Active Patch Panel

Connecting Hardware Test

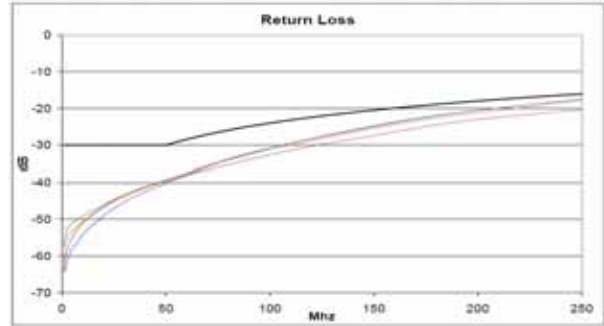
(Patch Panel only)

Tested from: 1 MHz
 Tested to: 250 MHz
 Standard: ANSI/TIA/EIA 568-B.2
 Limits: Category 6 - Connector

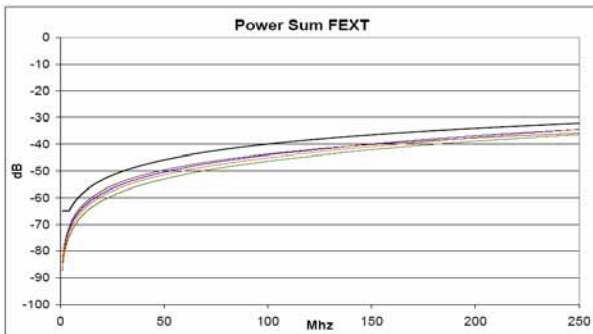
PS NEXT



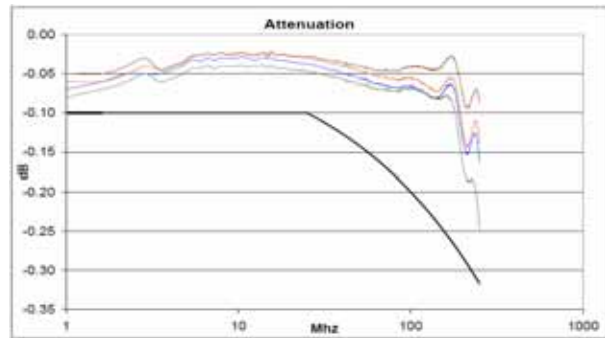
Return Loss



PS FEXT



Attenuation



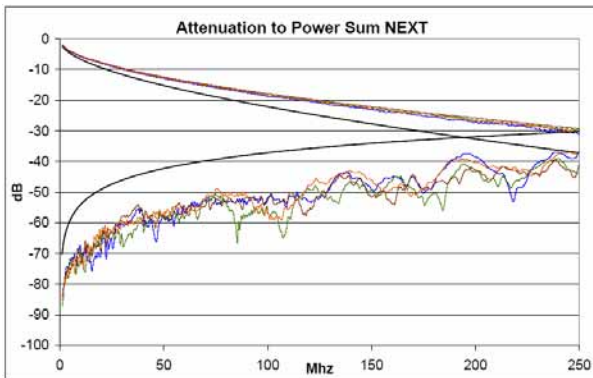
Channel Test

(Patch Cable, Patch Panel, Cable, Outlet, Patch Cable)

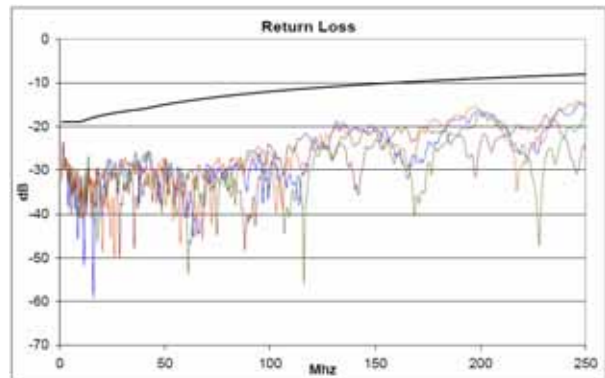
Tested from: 1 MHz
 Tested to: 250 MHz
 Standard: ANSI/TIA/EIA 568-B.1
 Limits: Category 6 - Link

Each of the panel's circuit boards interconnect the high performance RJ45 jack to the IDC blocks, providing performance which when installed with HellermannTyton's category 6 cable easily exceeds the TIA Category 6 and ISO/IEC Class E performance standards.

Channel PS NEXT & Attenuation



Channel Return Loss



ISO 14001



Certificate No. EMS 504454

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ISO 9001



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