



# 6

## LAN Connectivity Patch Panels

### Universal Category 6

1U 24 Port, 1U 48 Port and 2U 48 Port

#### Application/Product Description

Category 6 Universal Patch Panels are designed to support Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 155 Mb/s ATM, Token Ring 4/16, voice/data systems and Voice over Internet Protocol (VoIP) systems running over a Category 6 cabling system and is backwards compatible with existing Category 5e, Category 5 and voice network infrastructures.



Universal Category 6 Patch Panels

#### Technical Data

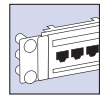
<b>Specification</b>	Category 6								
<b>Conformance</b>	<ul style="list-style-type: none"> <li>• ISO 11801:2002 (inc. Amend. A1 &amp; A2)</li> <li>• BS EN 50173</li> <li>• ANSI/TIA/EIA 568-C.2</li> </ul>								
<b>Wiring Specification</b>	568A/B								
<b>Port Density</b>	1U 24 Port			1U 48 Port			2U 48 Port		
<b>Dimensions (mm)</b>	H	W	D	H	W	D	H	W	D
	44.0	483.0	34.0	44.0	483.0	91.0	88.0	483.0	29.0
<b>Panel Weight (g)</b>	620			1395			1395		
<b>Outlet Style</b>	RJ45								
<b>RJ45 Jack Life</b>	Minimum Insertions 1000								
<b>Punch Down Blocks</b>	IDC								
<b>IDC Life</b>	Minimum 50 re-terminations								
<b>Wire Gauge</b>	22-26 AWG (Maximum of 2 wires per contact).								

<b>Material</b>	
Panel	Mild Steel, Black Powder Coated
Modular Jack Housing	Polybutylene
Contacts	ABS/Selected Gold Plate

#### Performance Characteristics

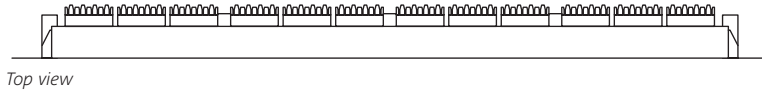
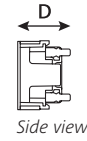
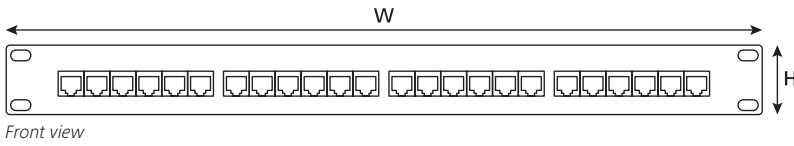
Frequency (MHz)		1	100	250
Insertion Loss	Spec	3.0	18.6	31.1
	Typical	1.6	16.7	27.8
NEXT (dB)	Spec	65.0	41.8	35.3
	Typical	88.8	60.2	49.9
ACR-N (dB)	Spec	62.0	23.3	4.2
	Typical	87.2	43.5	22.2
Return Loss (dB)	Spec	19.1	14.0	10.0
	Typical	27.9	23.2	16.1
PS NEXT (dB)	Spec	62.0	39.3	32.7
	Typical	83.3	54.7	44.3
PS ACR-N (dB)	Spec	59.0	20.7	1.6
	Typical	81.7	38.0	16.5
ACR-F (dB)	Spec	64.2	24.2	16.2
	Typical	81.6	41.7	38.2
PS ACR-F (dB)	Spec	61.2	21.2	13.2
	Typical	76.5	36.6	31.5

\*Typical values are for permanent link tests when using the complete HellermannTyton Data System.

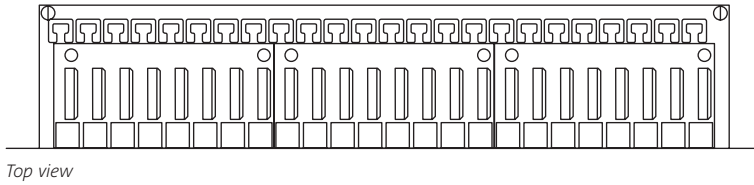
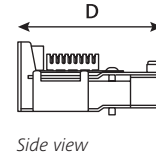
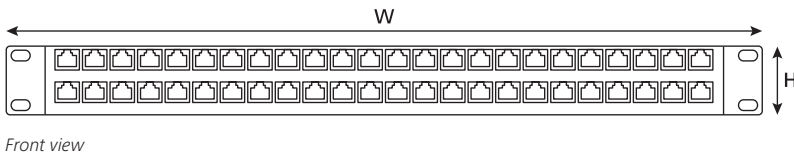


### Technical Diagrams

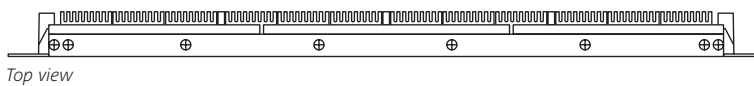
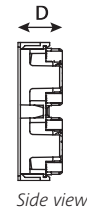
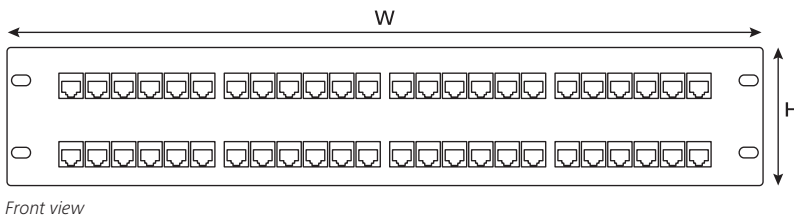
1U 24 Port



1U 48 Port



2U 48 Port



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The current version available from [www.htdata.co.uk/site/products/patch-panels](http://www.htdata.co.uk/site/products/patch-panels)

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