

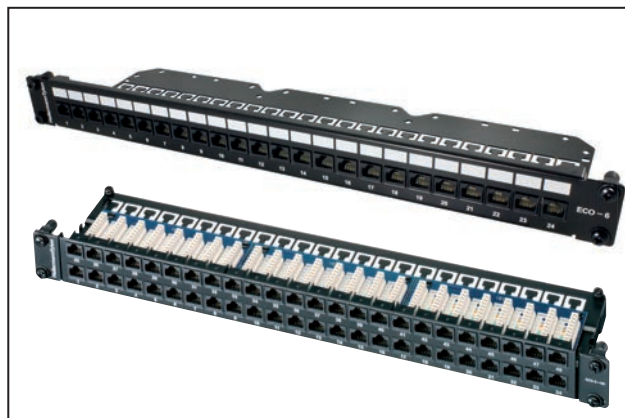


## EcoBand Category 6

### 1U 24 Port and 1U 48 Port

#### Application/Product Description

Category 6 EcoBand 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.



EcoBand Category 6 Patch Panels

#### Technical Data

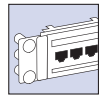
<b>Specification</b>	Category 6					
<b>Conformance</b>	<ul style="list-style-type: none"> <li>ISO 11801:2002 (inc. Amend. A1 &amp; A2)</li> <li>BS EN 50173</li> <li>ANSI/TIA/EIA 568-C.2</li> </ul>					
<b>Wiring Specification</b>	568A/B					
<b>Port Density</b>	1U 24 Port			1U 48 Port		
<b>Dimensions (mm)</b>	H	W	D	H	W	D
	44.0	483.0	132.0	44.0	438.0	91.0
<b>Panel Weight (g)</b>	1076			1394		
<b>Outlet Style</b>	RJ45					
<b>RJ45 Jack Life</b>	Minimum Insertions 1000					
<b>Punch Down Blocks</b>	Vertical IDC					
<b>IDC Life</b>	Minimum 50 re-terminations					
<b>Wire Gauge</b>	22-24 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

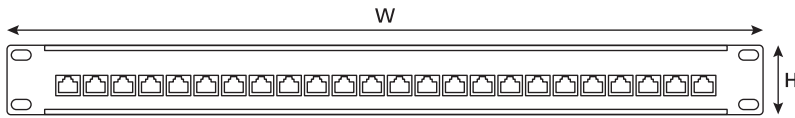
Frequency (MHz)		1	100	250
Insertion Loss	Spec	3.0	18.6	31.1
	Typical	1.4	16.7	27.5
NEXT (dB)	Spec	65.0	41.8	35.3
	Typical	86.8	59.0	45.2
ACR-N (dB)	Spec	62.0	23.3	4.2
	Typical	85.4	42.3	17.8
Return Loss (dB)	Spec	19.1	14.0	10.0
	Typical	24.6	35.5	26.1
PS NEXT (dB)	Spec	62.0	39.3	32.7
	Typical	81.6	53.5	40.1
PS ACR-N (dB)	Spec	59.0	20.7	1.6
	Typical	80.2	36.8	12.6
ACR-F (dB)	Spec	64.2	24.2	16.2
	Typical	81.8	42.2	36.5
PS ACR-F (dB)	Spec	61.2	21.2	13.2
	Typical	76.9	36.6	31.0

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

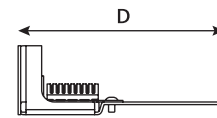


### Technical Diagrams

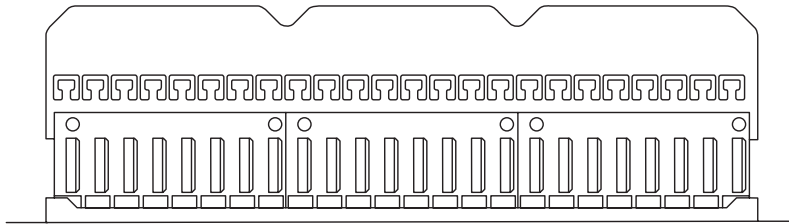
1U 24 Port



Front view

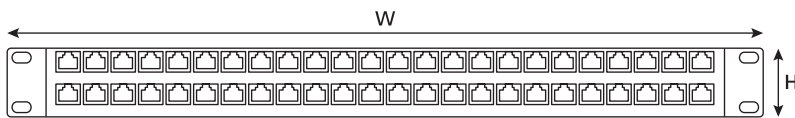


Side view

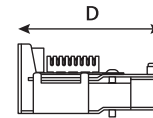


Top view

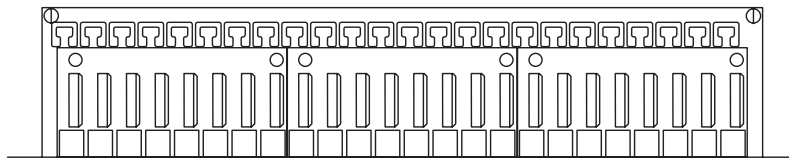
1U 48 Port



Front view



Side view



Top view

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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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