



SCREENED PANELS



PCB Technology for Gigabit Transmission

Brand-Rex 19" (483mm) *GigaPlus* rack mounted patch panels offer proven enhanced Category 5 performance using patented state of the art printed circuit technology. In addition to this, each panel has been designed with a cable management/strain relief feature built in to the rear-mounted grounding bar. All outlets are numerically identified with an additional writeable surface for ease of port naming. Each panel is supplied with cable ties, panel mounting accessories, earth lead and installation instructions.

Panel Type:	483mm (19") rack mountable fitting
Panel Height:	1U (44mm)
Panel Depth:	129mm
Colour:	BLACK or RAL 7035 GREY
Outlets:	16 or 24 ports
Outlet Style:	Unkeyed RJ45
Port Contacts:	Phosphor Bronze
Plating:	50 micro inches of gold over 100 micro inches of Nickel
Punch Down Blocks:	European style LSA or 110 Style Insulation Displacement Connectors (IDC)
IDC contacts:	Phosphor Bronze
Conformance:	ISO/IEC 11801:1995(E), EIA/TIA TSB40A and ENHANCED CAT5 (CAT5e) ANSI/EIA-568A

GigaPlus cables and components have been designed to work together, configured as a channel. Contact a MillenniumM partner or Brand-Rex for details of how to obtain a GigaPlus system warranty.



Brand-Rex

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Comparison of electrical requirements for connecting hardware between Cat5 and Cat5e

Frequency MHz	Attenuation (max)		NEXT Loss (min)		ELFEXT (min)		Return LOSS (min)	
	dB	dB	dB	dB	dB	dB	dB	dB
	Cat5	Cat5e	Cat5	Cat5e	Cat5	Cat5e	Cat5	Cat5e
1	0.1	0.1	65	65.0	N/S	65.0	23	30
4	0.1	0.1	65	65.0	N/S	63.1	23	30
8	-	0.1	-	64.9	N/S	57.0	-	30
10	0.1	0.1	60	63.0	N/S	55.1	23	30
16	0.2	0.2	56	58.9	N/S	51.0	23	30
20	0.2	0.2	54	57.0	N/S	49.1	23	30
25	-	0.2	-	55.0	N/S	47.1	-	30
31.25	0.2	0.2	50	53.1	N/S	45.2	14	28.1
62.5	0.3	0.3	44	47.1	N/S	39.2	14	22.1
100	0.4	0.4	40	43.0	N/S	35.1	14	18

Cat5 figures taken from the ISO/IEC 11801: 1995(E)

Cat5e figures as listed in ANSI/EIA-568A for Enhanced Cat5

NOTE: Cat5e figures measured in both Common & Differential Mode



CATALOGUE No

Description

GPC5-PAT-16-F-1-001B	16 WAY 1U 110 IDC 568B Wired Black
GPC5-PAT-16-F-1-001A	16 WAY 1U 110 IDC 568A Wired Black
GPC5-PAT-16-F-K-001B	16 WAY 1U LSA IDC 568B Wired Black
GPC5-PAT-16-F-K-101B	16 WAY 1U LSA IDC 568B Wired Grey
GPC5-PAT-16-F-K-001A	16 WAY 1U LSA IDC 568A Wired Black
GPC5-PAT-16-F-K-101A	16 WAY 1U LSA IDC 568A Wired Grey



GPC5-PAT-24-F-1-001B	24 WAY 1U 110 IDC 568B Wired Black
GPC5-PAT-24-F-1-001A	24 WAY 1U 110 IDC 568A Wired Black
GPC5-PAT-24-F-K-001B	24 WAY 1U LSA IDC 568B Wired Black
GPC5-PAT-24-F-K-101B	24 WAY 1U LSA IDC 568B Wired Grey
GPC5-PAT-24-F-K-001A	24 WAY 1U LSA IDC 568A Wired Black
GPC5-PAT-24-F-K-101A	24 WAY 1U LSA IDC 568A Wired Grey