

GREYHOUND 1040 Full Gigabit Ethernet 19" Ruggedized Rack-Mount Switches, Media Modules and Power Supplies





The GREYHOUND 1040 switches include 12 fixed ports and also feature two media module slots that enable you to add 8 additional ports each, for a maximum of 28 ports per device.

The switch's two power supplies, available in high- or low-voltage options, can be changed in the field for maximum uptime. You can keep your systems up and running by quickly swapping out one power supply, while the network is powered by the redundant supply. More and more applications need power, and the GREYHOUND 1040 switches support up to 16 PoE and PoE+ ports.

For all-around network protection and uptime, GREYHOUND 1040 switches offer enhanced Layer 2 and Layer 3 features through Hirschmann's operating system, HiOS. The software includes comprehensive security, diagnostic and redundancy features. The device's precise synchronization also enables applications to comply with stringent real-time requirements.



Technical Information

Product Description Basic Units		
Type	GRS1042-xx	GRS1142-xx
		
Description	Modular Managed Industrial Switch, fanless design, Layer 2 or Layer 3	
Port Type and Quantity	Ports in total up to 28 Basic unit 12 fixed ports: 2 x GE/2.5GE SFP slot plus 10 x FE/GE TX ports expandable with two media module slots; 8 FE/GE ports per module	Ports in total up to 28; ports on rear Basic unit 12 fixed ports: 4 x GE/2.5GE SFP slot plus 2 x FE/GE SFP plus 6 x FE/GE TX expandable with two media module slots; 8 FE/GE ports per module
Number of Fiber Ports	Up to 22 fiber ports: 18 GE/FE plus 4 x 2.5 GE/GE	
Additional Interfaces		
V.24 Interface	1 x RJ45 socket	
Out-of-Band Management	1 x 10/100 RJ45; Management port	
SD	1 x to connect auto-configuration adapter ACA31 (SD)	
USB	1 x to connect auto-configuration adapter ACA22 (USB)	
Power Requirements		
Operating Voltage Input 1&2	24 to 48 V DC, or 60 to 250 V DC and 110 to 240 V AC, or 48 to 54 V DC (PoE/PoE+)	
Power Consumption	Basic unit with one power supply 32 W (110 Btu (IT)/h)	
Mechanical Construction		
Weight	3600 g	
Protection Class	IP30	
Dimensions (WxHxD)	444 x 44 x 354 mm	
Software		
Supported HiOS Software Levels	Layer 2 Advanced (L2A) or Layer 3 Advanced (L3A)	

NOTE: These are the prominent technical specifications. For complete technical specifications visit: www.belden.com/hirschmann



Technical Information

Product Description Media Modules for GREYHOUND	
Type	GMMxx
Port Type and Quantity	Up to 8 FE/GE ports, more details in the configurator for ST, SC, RJ45, SFP slots
Power over Ethernet	Up to 180 W overall, up to 120 W per media module
Power Consumption	5.5 to 10 W (without PoE)
Weight	490 to 650 g
Gigabit ETHERNET Network Size	
Twisted Pair (TP)	0 to 100 m
Multimode Fiber (MM) 50/125 μm	0 to 550 m, 7.5 dB link budget; 62.5/125 μm , 0 to 275 m, 7.5 dB link budget (with M-SFP-SX/LC)
Singlemode Fiber (SM) 9/125 μm	0 to 20 km, 11 dB link budget (with M-SFP-LX/LC); 14 to 42 km, 5 to 20 dB link budget (with M-SFP-LX+/LC)
Singlemode Fiber (LH) 9/125 μm	23 to 80 km, 5 to 22 dB link budget (with M-SFP-LH/LC); 71 to 128 km, 15 to 30 dB link budget (with M-SFP-LH+/LC)
Fast ETHERNET Network Size	
Twisted Pair (TP)	0 to 100 m
Multimode Fiber (MM) 50/125 μm	50/125 μm , 0 to 5000 m, 8 dB link budget; 62.5/125 μm , 0 to 4000 m, 11 dB link budget (with M-Fast SFP-MM/LC)
Singlemode Fiber (SM) 9/125 μm	0 to 25 km, 13 dB link budget (with M-Fast SFP-SM/LC); 25 to 65 km, 10 to 29 dB link budget (with M-Fast SFP-SM+/LC)
Singlemode Fiber (LH) 9/125 μm	47 to 104 km, 10 to 29 dB link budget (with M-Fast SFP-LH/LC)

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Product Description Power Supplies for GREYHOUND	
Type	GPSxx
Variant	Switch only, or switch and PoE, or PoE only
Operating Voltage	24 to 48 V DC, or 60 to 250 V DC and 110 to 240 V AC, or 48 to 54 V DC (PoE/PoE+)
Power Consumption	35 to 38 W + up to 180 W PoE
Weight	600 to 750 g

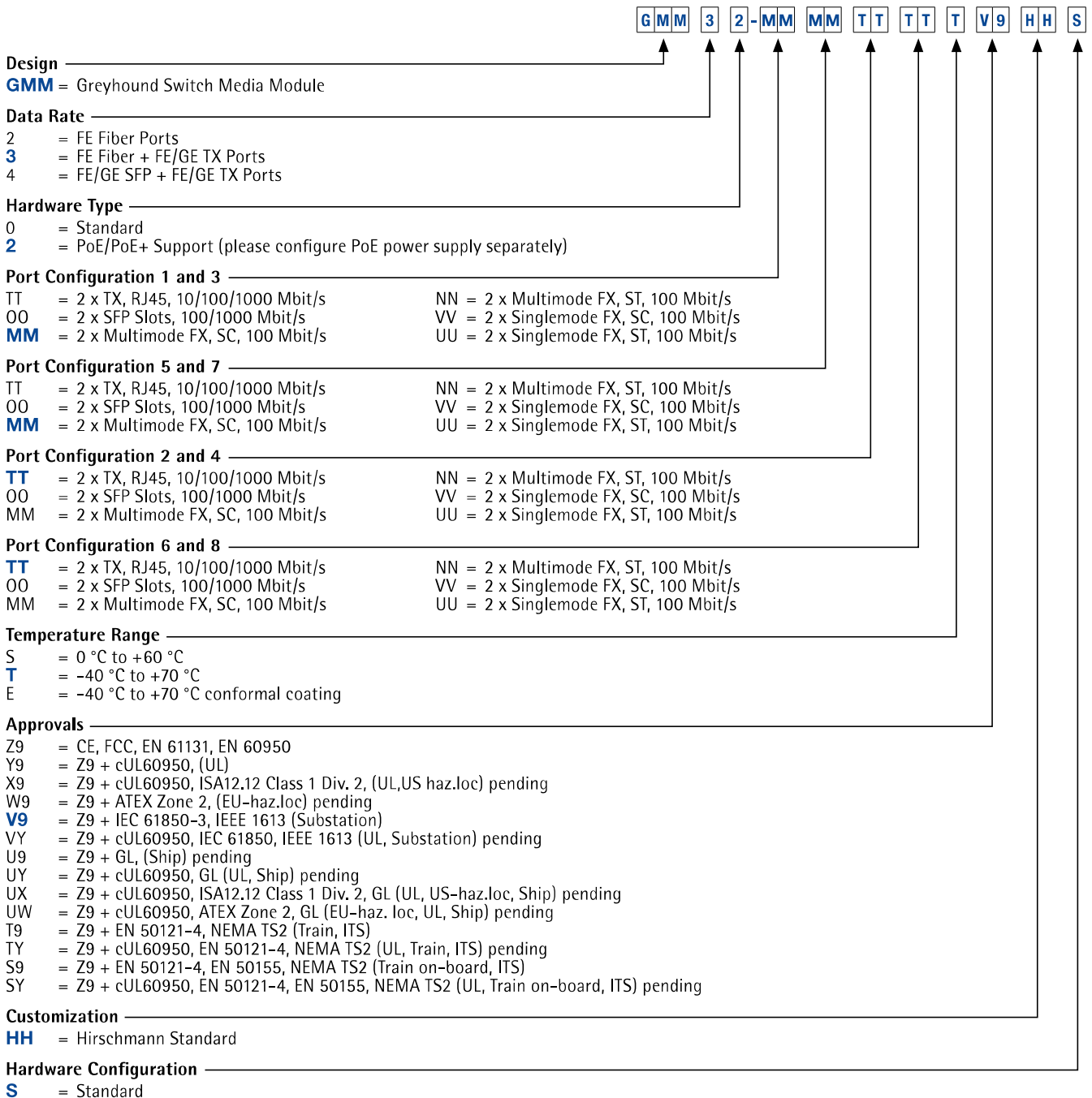
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Common Technical Data	
Type	Basic Units, Media Modules and Power Supplies
Ambient Conditions	
Operating Temperature	0 °C to 60 °C, or -40 °C to +70 °C, IEC 60068-2-2 Dry Heat Test +85 °C 16 Hours, optional conformal coating
Rel. Humidity (non-condensing)	5% to 95%
Approvals Configurable	
Safety of Industrial Control Equipment	EN 60950-1, EN 61131-2, cUL60950-1
Substation	IEC 61850-3, IEEE 1613
Ship	GL/DNV (Germanischer Lloyd/Det Norske Veritas) (pending)
Hazardous Locations	ISA-12.12.-01 Class 1 Div. 2 (pending), ATEX Zone 2 (pending)
Transportation	NEMA TS2, EN 50121-4, EN 50155
Accessories	
Device Replacement and Logging	ACA22-USB EEC 942 124-001, ACA31 942 074-001

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GREYHOUND GMM20, GRM3x, GRM4x Media Module Configurations



GREYHOUND GPSx Power Supply Configurations

