


Product: [GRS105-24TX/6SFP-B](#) 

Greyhound 105 - Managed 30-port Gigabit Ethernet 19" Rack Mount Switch



Product Description

Managed 30-port Gigabit Ethernet Industrial Switch with 6x 1/2.5 GE SFP ports + 24x GE TX port, HiOS 2S software and fanless design with -10°C...+60°C operating temperature.

Technical Specifications

Product description

Type:	GRS105-24TX/6SFP-B
Name:	GRS105-24TX/6SFP-B
Description:	GREYHOUND 105/106 Series, Managed Industrial Switch, fanless design, 19" rack mount, according to IEEE 802.3, 6x1/2.5GE +8xGE +16xGE
Software Version:	HiOS 10.0.00
Part Number:	942287018
Port type and quantity:	30 Ports in total, 6x GE/2.5GE SFP slot + 8x FE/GE TX ports + 16x FE/GE TX ports

More Interfaces

Power supply/signaling contact:	Power supply input 1: IEC plug, Signal contact: 2 pin plug-in terminal block
SD-card slot:	1 x SD card slot to connect the auto configuration adapter ACA31

Network size - length of cable

Twisted pair (TP):	0-100 m
Single mode fiber (SM) 9/125 µm:	see SFP modules
Single mode fiber (LH) 9/125 µm (long haul transceiver):	see SFP modules
Multimode fiber (MM) 50/125 µm:	see SFP modules
Multimode fiber (MM) 62.5/125 µm:	see SFP modules

Network size - cascading

Line - / star topology:	any
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Power requirements

Operating Voltage:	Power supply input 1: 110 - 240 VAC, 50 Hz - 60 Hz
Power consumption:	Basic unit with one power supply max. 35W
Power output in BTU (IT)/h:	max. 120

Software

Switching:	Independent VLAN Learning, Fast Aging, Static Unicast/Multicast Address Entries, QoS / Port Prioritization (802.1D/p), TOS/DSCP Prioritization, Interface Trust Mode, CoS Queue Management, Queue-Shaping / Max. Queue Bandwidth, Flow Control (802.3X), Egress Interface Shaping, Ingress Storm Protection, Jumbo Frames, VLAN (802.1Q), VLAN Unaware Mode, GARP VLAN Registration Protocol (GVRP), Voice VLAN, GARP Multicast Registration Protocol (GMRP), IGMP Snooping/Querier per VLAN (v1/v2/v3), Unknown Multicast Filtering, Multiple VLAN Registration Protocol (MVRP), Multiple MAC Registration Protocol (MMRP), Multiple Registration Protocol (MRP), Double VLAN Tagging
Redundancy:	HIPER-Ring (Ring Switch), Link Aggregation with LACP, Link Backup, Media Redundancy Protocol (MRP) (IEC62439-2), RSTP 802.1D-2004 (IEC62439-1), RSTP Guards
Management:	Dual Software Image Support, TFTP, SFTP, SCP, LLDP (802.1AB), LLDP-MED, SSHv2, HTTP, HTTPS, IPv6 Management, Traps, SNMP v1/v2/v3, Telnet

Diagnostics:	Management Address Conflict Detection, MAC Notification, Signal Contact, Device Status Indication, TCPDump, LEDs, Syslog, Persistent Logging on ACA, Port Monitoring with Auto-Disable, Link Flap Detection, Overload Detection, Duplex Mismatch Detection, Link Speed and Duplex Monitoring, RMON (1,2,3,9), Port Mirroring 1:1, Port Mirroring 8:1, Port Mirroring N:1, Port Mirroring N:2, System Information, Self-Tests on Cold Start, Copper Cable Test, SFP Management, Configuration Check Dialog, Switch Dump
Configuration:	Automatic Configuration Undo (roll-back), Configuration Fingerprint, Text-based Configuration File (XML), Backup config on a remote server when saving, Clear config but keep IP settings, BOOTP/DHCP Client with Auto-Configuration, DHCP Server: per Port, DHCP Server: Pools per VLAN, AutoConfiguration Adapter ACA31 (SD card), HiDiscovery, DHCP Relay with Option 82, Command Line Interface (CLI), CLI Scripting, CLI script handling over ENVM at boot, Full-featured MIB Support, Context-sensitive Help, HTML5 based Management
Security:	MAC-based Port Security, Port-based Access Control with 802.1X, Guest/unauthenticated VLAN, Integrated Authentication Server (IAS), RADIUS VLAN Assignment, Denial-of-Service Prevention, VLAN-based ACL, Ingress VLAN-based ACL, Basic ACL, Access to Management restricted by VLAN, Device Security Indication, Audit Trail, CLI Logging, HTTPS Certificate Management, Restricted Management Access, Appropriate Use Banner, Configurable Password Policy, Configurable Number of Login Attempts, SNMP Logging, Multiple Privilege Levels, Local User Management, Remote Authentication via RADIUS, User Account Locking, Password change on first login
Time synchronisation:	PTPv2 Transparent Clock two-step, PTPv2 Boundary Clock, BC with Up to 8 Sync / s , Buffered Real Time Clock, SNTP Client, SNTP Server
Industrial Profiles:	EtherNet/IP Protocol Modbus TCP PROFINET Protocol
Miscellaneous:	Manual Cable Crossing, Port Power Down

Ambient conditions

Relative humidity (non-condensing):	5-90 %
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Mechanical construction

Dimensions (WxHxD):	444 x 44 x 355 mm
Mounting:	Rack mount
Protection class:	IP30

Mechanical stability

IEC 60068-2-6 vibration:	3.5 mm, 5 Hz – 8.4 Hz, 10 cycles, 1 octave/min.; 1 g, 8.4 Hz-200 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock:	15 g, 11 ms duration, 18 shocks

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD):	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field:	20 V/m (800-1000 MHz), 10V/m (80-800 MHz ; 1000-6000 MHz); 1 kHz, 80% AM
EN 61000-4-4 fast transients (burst):	2 kV power line, 4 kV data line STP, 2 kV data line UTP
EN 61000-4-5 surge voltage:	power line: 2 kV (line/earth) and 1 kV (line/line); data line: 2 kV
EN 61000-4-6 Conducted Immunity:	10 V (150 kHz - 80 MHz)

EMC emitted immunity

EN 55032:	EN 55032 Class A
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Approvals

Basis Standard:	CE, FCC, EN61131
Safety of information technology equipment:	EN62368, cUL62368

Reliability

Guarantee:	60 months (please refer to the terms of guarantee for detailed information)
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Scope of delivery and accessories

Accessories to Order Separately:	Network Management Industrial HiVision, ACA31, SFP/SFP+
Scope of delivery:	Device, General safety instructions

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com/index.html
Certificates:	https://www.doc.hirschmann.com/certificates.html
Software Download:	https://hirschmann-support.belden.com/en-US/downloads

History

Update and Revision:	Revision Number: 0.8 Revision Date: 01-31-2025
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