

# GREYHOUND 103 Ethernet Switches



PRODUCT BULLETIN 

## Robust Industrial Access Layer Switches

GREYHOUND 103 Ethernet switches combine hardened industrial hardware with robust switching capabilities to deliver fast, secure, cost-effective and future-proof connectivity.

- **Modular design** provides feature and price flexibility, so customers only buy the speed and power their application needs
- **Robust security** and high-performance switching features offered by the best-in-class HiOS software
- **Ability to reuse existing media modules** for an easy, cost-effective way to upgrade network infrastructure



## Key Features

- More than 20 ports in a 1U fanless rackmount enclosure
- Up to 22 Fast Ethernet ports and 4 Fast/Gigabit combo ports
- Modular design allows for main chassis to be expanded with one or two media modules
- Multimode, single mode, SFP fiber types available
- Operating temperature range of -10°C to +60°C
- 274 W total Power over Ethernet (PoE+) [137 W per module]
- HiOS L2S and L2A software options available
- Free software upgrades in the field

Hirschmann's GREYHOUND 103 multipurpose industrial access layer switches connect many end devices, for several applications in industrial environments.

## Your Benefits

Hirschmann's GREYHOUND 103 switches support the growing number of devices that need to be interconnected in the IIoT with robust and secure connectivity. With customized configurations, customers pay only for what's needed today, and make a future-proof investment with the ability to expand easily in the field as needs change or grow.

Customers using MACH102 media modules can plug-and-play with the new chassis, making network upgrades fast, easy and cost-effective.

Hirschmann's HiOS software is the latest operating system for the new generation of industrial Ethernet devices. Offering intelligent and unique combinations of security mechanisms, diagnostic methods and redundancy protocols, the solution meets every physical and application requirement.

## Applications

The GREYHOUND 103 switches are the perfect platform for applications that do not require high bandwidth, offering cost-effective connectivity for field-level devices, including sensors, actuators and PLCs. Designed to provide maximum uptime, with best-in-class network security, these devices are hardened for extreme environments, reliable, and easy-to-use and maintain.

## Markets

GREYHOUND 103 Ethernet switches support networks in any industrial setting – including all segments of discrete and process manufacturing, energy production, and transportation. They are designed to enable maximum uptime and ensure smooth production processes.



## Technical Information

### Product Description

Type	GRS103-6TX/ 4C-1HV-xx	GRS103-6TX/ 4C-2HV-xx	GRS103-22TX/ 4C-1HV-xx	GRS103-22TX/ 4C-2HV-xx
Description	GREYHOUND 103 Series, Managed Industrial Workgroup Switch, fanless design, 19" rack mount, up to 4 fiber ports and 26 ports in total			
Port Type and Quantity	Base unit: 4 x FE/GE Combo + 6 x FE TX Expandable with two Media Modules (8 FE ports per module)		4 x FE/GE Combo + 22 x FE TX	

### Additional Interfaces

USB-C	1 x USB-C (client) for local management
-------	---

### Power Requirements

Operating Voltage	100-240 VAC	100-240 VAC (redundant)	100-240 VAC	100-240 VAC (redundant)
Power Consumption	12 W (without media modules)	13 W (without media modules)	16 W	17 W

### Ambient Conditions

Operating Temperature	-10°C to +60°C
Conformal Coating	Optional

### Mechanical Construction

Dimensions (W x H x D)	448 x 44 x 310 mm (without fixing bracket)			
Weight	3,60 kg	3,85 kg	3,85 kg	4,10 kg
Protection Class	IP20			

### Software

Supported HiOS Software Levels	Layer 2 Standard (L2S), Layer 2 Advanced (L2A)
--------------------------------	--

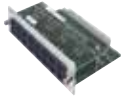

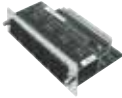


### Approvals

Basis Standard	CE, FCC, EN61131
----------------	------------------

### Accessories

Accessories to order separately	SFP Transceiver, ACA22-USB-C (EEC), Industrial HiVision Network Management Software
---------------------------------	---

### Product Description - Media Modules for GREYHOUND

Type	M1-8MM-SC	M1-8SFP	M1-8SM-SC	M1-8TP-RJ45	M1-8TP-RJ45 PoE
					
Part Number	943970101	943970301	943970201	943970001	942028001
Port Type and Quantity	8 x FE FX MM-SC	8 x FE SFP	8 x FE SFP	8 x FE SFP	8 x FE PoE
Power Consumption	10 W	11 W (including SFP module)	10 W	2 W	2.2 W (plus up to 120 W PoE per external power supply)
Weight	210 g	130 g	180 g	210 g	220 g

## Part Numbers and Product Configurations

Part Number	Type	Product Description
942 298 001	GRS103-6TX/4C-1HV-2S	4 x FE/GE Combo + 6 x FE TX, expandable with up to two Media Modules (8 FE Ports each), 110-240 VAC Power Supply, -10°C to +60°C, HiOS L2S
942 298 002	GRS103-6TX/4C-1HV-2A	4 x FE/GE Combo + 6 x FE TX, expandable with up to two Media Modules (8 FE Ports each), 110-240 VAC Power Supply, -10°C to +60°C, HiOS L2A
942 298 003	GRS103-6TX/4C-2HV-2S	4 x FE/GE Combo + 6 x FE TX, expandable with up to two Media Modules (8 FE Ports each), Redundant 110-240 VAC Power Supply, -10°C to +60°C, HiOS L2S
942 298 004	GRS103-6TX/4C-2HV-2A	4 x FE/GE Combo + 6 x FE TX, expandable with up to two Media Modules (8 FE Ports each), Redundant 110-240 VAC Power Supply, -10°C to +60°C, HiOS L2A
942 298 005	GRS103-22TX/4C-1HV-2S	4 x FE/GE Combo + 22 x FE TX, 110-240 VAC Power Supply, -10°C to +60°C, HiOS L2S
942 298 006	GRS103-22TX/4C-1HV-2A	4 x FE/GE Combo + 22 x FE TX, 110-240 VAC Power Supply, -10°C to +60°C, HiOS L2A
942 298 007	GRS103-22TX/4C-2HV-2S	4 x FE/GE Combo + 22 x FE TX, Redundant 110-240 VAC Power Supply, -10°C to +60°C, HiOS L2S
942 298 008	GRS103-22TX/4C-2HV-2A	4 x FE/GE Combo + 22 x FE TX, Redundant 110-240 VAC Power Supply, -10°C to +60°C, HiOS L2

