



**Product:** [HiOS 8 - GRS \(2S\)](#) 

Device Software Release 8 for all GREYHOUND Switches (HiOS 2S) - all available minor and bugfix releases

**Product Description**

HiOS – Hirschmann Operating System: The HiOS software from Hirschmann increases the power and performance of its Industrial Ethernet switches. HiOS software supports various security mechanisms, comprehensive management and diagnostic methods, precise time synchronization and redundancy protocols. All relevant software files can be downloaded from the "Downloads" tab

**Technical Specifications**

**Product description**

Type:	Suitable for GREYHOUND series
Name:	HiOS 8 - GRS (2S)
Part Number:	free download

**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, Flow Control (802.3X), Egress Interface Shaping, Ingress Storm Protection, VLAN (802.1Q), VLAN Unaware Mode, Voice VLAN, 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), GARP VLAN Registration Protocol (GVRP), GMRP
Redundancy:	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, V.24, HTTP, HTTPS, Traps, SNMP v1, v2, v3, Telnet, OPC-UA Server
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, System Information, Self-Tests on Cold Start, Copper Cable Test, SFP Management, Configuration Check Dialog, Switch Dump, Snapshot Configuration Feature
Configuration:	Automatic Configuration Undo (roll-back), Configuration Fingerprint, Text-based Configuration File (XML), BOOTP/DHCP Client with Auto-Configuration, DHCP Server: per Port, DHCP Server: Pools per VLAN, AutoConfiguration Adapter ACA21/22 (USB), HiDiscovery, DHCP Relay with Option 82, Command Line Interface (CLI), CLI Scripting, Full-featured MIB Support, Web-based Management, Context-sensitive Help
Security:	MAC-based Port Security, Port-based Access Control with 802.1X, Guest, unauthenticated VLAN, Integrated Authentication Server (IAS), RADIUS VLAN Assignment, Automatic Denial-of-Service Prevention, 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
Time synchronisation:	Buffered Real Time Clock, SNTP Client, SNTP Server
Industrial Profiles:	IEC61850 Protocol (MMS Server, Switch Model), ModbusTCP
Miscellaneous:	Manual Cable Crossing, Port Power Down

**Further Instructions**

Product Documentation:	<a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>
Certificates:	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>

**History**

Update and Revision:	Revision Number: 0.45 Revision Date: 07-20-2023
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