

GRS-M16P

Industrial Managed PoE Switch 16x10/100/1000M RJ45



Description

GRS-M16P is a 16-port managed industrial 10/100/1000Base-T Ethernet switch with a fanless cooling system, wide operating temperature range, and high protection rating. It delivers superior industrial-grade performance, including resistance to extreme temperatures and lightning protection. It is ideal for deployment in harsh operating environments such as railway transport, safe city initiatives, intelligent transportation, outdoor surveillance, etc.

Features

- Input Voltage: DC48-58V(PoE); DC12-58V(non-PoE)
- Operating Temperature: -40 ~ +85
- Shell: IP40 protection, fan-less design
- Test Report: CE, RoHS, FCC
- Anti-static: 8KV-15KV
- MTBF: 100000 Hours

Specification

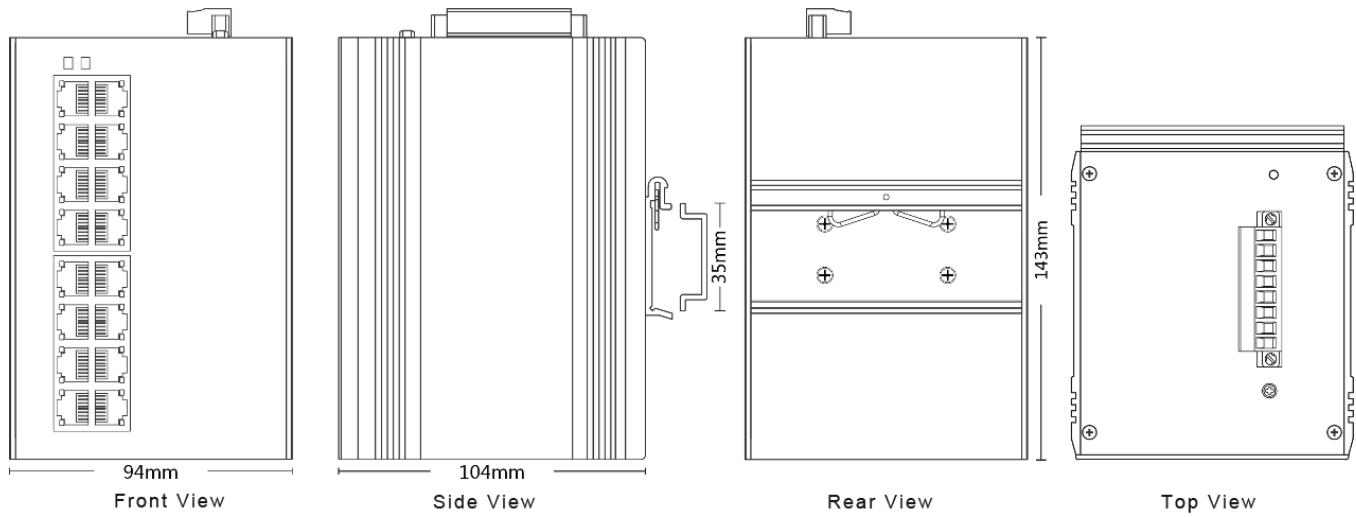
Provider Mode Ports	
Fixed Port	16x10/100/1000M RJ45
Management Port	Support console
Power Interface	Phoenix terminal, dual power redundancy
LED Indicators	PWR, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Network Topology	
Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
Electrical Specifications	
Input Voltage	DC48-58V(PoE); DC12-58V(non-PoE)
Total Power Consumption	<386W(PoE); <26W(non-PoE)
PoE Support	
PoE Port	1-16
PoE Protocol	802.3af, 802.3at
Pin Assignment	1, 2+, 3, 6-
PoE Management	Support
Layer 2 Switching	
Switching Capacity	68G
Packet Forwarding Rate	50.59Mpps
MAC Address Table	16K
VLAN	Support 4K
Buffer	12M
Forwarding Delay	<10us
MDX/MIDX	Support

Flow Control	Support
Jumbo Frame	10K bytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 groups
Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
MAC Authentication	Support
Port Isolation	Support
RMON	Support
NTP Client	Support
DHCP Client	Support
DHCP Snooping	Support
Ping/Tracert Detection	Support
Dying Gasp	Support
DDM	Support
Port security	Support
IP Source Guard	Support
Device Scanning	Support
Convergence	
ACL	Support ACL 500 Support IP standard ACL Support MAC expand ACL Support IP expand ACL
QoS	Support QoS re-marking, priority mapping Support SP, WRR queue scheduling Support ingress rate-limited, egress rate-limit Support Policy-based QoS
Management	

CLI	Support
Console	Support
Telnet/SSH	Support
WEB Management	Support
Management IP	Support IPv4/IPv6
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support
Environment	
Operating Temperature	-40°C~+70°C
Storage Temperature	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fan-less, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product Size (W x H x D)	94x104x143mm
Installation Method	DIN-rail
Weight	1KG
EMC & Ingress Protection	
IP Level	IP40
Surge Protection of Power	IEC 61000-4-5 Level X (6KV/6KV) (8/20us)
Surge Protection of Ethernet Port	IEC 61000-4-5 Level 4 (4KV/4KV) (10/700us)
RS	IEC 61000-4-3 Level 3 (10V/m)
EFI	IEC 61000-4-4 Level 3 (1V/2V)
CS	IEC 61000-4-6 Level 3 (10V/m)
PFMF	IEC 61000-4-8 Level 4 (30A/m)
DIP	IEC 61000-4-11 Level 3 (10V)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free Fall	0.5m

Certification	
Certificates	CE/FCC/RoHS

Size



Ordering info

P/N	Description
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