



GEN-550+ Managed 24-Port 10/100 Access Switch

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Product Introduction & Benefits



SNMP Management / RMON: Flexible network management and monitoring options translate into increased efficiency and performance. Whether managing from an 'in-band' SNMP management station, via an internet web browser, or 'out-of-band' on the RS-232 console port, the GEN-550+ facilitates network monitoring, management and troubleshooting.

Higher Performance: Non-blocking and maximum wire speed performance are designed on all switched ports, it not only supports auto-negotiation and but also auto MDI/MDI-X function on all switched RJ-45 ports no matter half or full duplex mode, these function make user convenient, easy to use and reduce the matching effort between straight and cross-over line issues.

Feature Enriched: The GEN-550+ offers feature such QoS, port-based VLAN and Tag-based VLAN, port trunking, port mirroring, IGMP snooping and many more. Any special software feature can also be added upon request.

Highly Reliable & Flexible: 2-Fiber (Gigabit or Fast Ethernet) can be configured for redundancy for always working for offers It supports 7 groups with up to 4 ports Trunk, and moreover, these trunk ports are with fail-over function to provide redundant back up when one or some of ports are malfunction. Multiple combination can be used from Fast Ethernet to Giga Ethernet in multi or single mode in expansion slot.

Main Features:

Standards:

- Complies with IEEE 10/100Base-TX, IEEE 802.3u 100Base-FX and IEEE 802.3z 1000Base-SX/LX standard

Interface:

- 24 10/100 Mbps Ethernet ports
- Auto MDI/MDI-X and auto-negotiation support on RJ-45 ports
- One expansion slot with choices of 1 or 2 100Base-FX, GBIC, and mini-GBIC fiber ports
- Extends distances up to 220m for multi-mode SX (110km with long haul single mode) under full duplex mode

Networking:

- Automatic learning of up to 14K MAC addresses
- Bandwidth control
- IEEE 802.1q/p VLAN and Priority Queues
- GVRP
- LACP trunking
- IGMP Snooping

Management:

- SNMP, Web GUI, Telnet and Console menu-driven/ Command Line
- Status LEDs for easy monitoring of device status

Mechanical & Environmental:

- Slim standalone rack mountable unit
- FCC, CE, VCCI, C-TICK, Class A approved



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Specifications:

Standard:	IEEE 802.3 10Base-T	MAC Table:	14K entries
	IEEE 802.3u 100Base-TX/FX	MDI/MDI-X:	Auto Selection
	IEEE 802.3z 1000Base-SX/LX	Management:	System Configuration: Console, Telnet, Web GUI, SNMP/RMON NMS Management Agent: MIB II, Bridge MIB, Ethernet interface MIB, RMON MIB RMON Groups: 1,2,3,9 (Statistics, History, Alarm and Event) Spanning Tree Protocol: IEEE 802.1D VLAN: port-based/IEEE 802.1q; up to 256 VIDs; GVRP support
Connector:	24 x RJ-45 1 or 2 x module connector 1 x DB-9	Power:	Power Input: 100 240V AC (auto-ranging) Frequency: 50Hz to 60Hz -48V DC (Optional –upon request)
Max. Distance:	UTP: 100 meters (Cat. 5/5e/6) Fiber: up to 80km (single mode)	Temperature:	Operating: 5°C to 45°C Storage: -20°C to 70°C
Unit LED:	PWR: Illuminated for normal operation DIAG: Flashes when performing diagnosis test upon startup; illuminate green on normal status FAN1&FAN2: Illuminates Red when respective cooling fan fails	Humidity:	Operating: 10% to 90% RH Storage: 5% to 90% RH
Throughput:	Ethernet ports: 14,880 pps Fast Ethernet ports: 148,800 pps Gigabit Ethernet ports: 1,488,000 pps Backplane switching: 8.8Gbps	Emissions:	FCC, CE, VCCI, C-TICK for Class A
		Dimensions:	184 x 440 x 44mm (D x W x H)
		Weight:	2.3kg

Applications:

Designed for FTTH, FTTB & Mission-critical applications

Ordering Information:

GEN-550+:

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GEN-026M:

2-port Gigabit 1000Base-SX Multi-mode Module, 550m

GEN-026S:

2-port Gigabit 1000Base-LX Single Mode Module, 10Km

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Specifications subject to change without prior notice.