

# GS-xx Series

# SWITCH

## GS Series Gigabit Ethernet Switching



The GS-xx family of Gigabit Ethernet Switches support 10Mbps, 100Mbps and 1000Mbps (Gigabit Ethernet) speeds with full or half duplex operation on all ports. Auto MDI-MDIX uplink negotiation simplifies network design while NWAY auto negotiation ensures 'plug and play' deployment with workstations and servers. Flow control is supported via IEEE 802.3x for full-duplex and 'Back Pressure' flow control for half-duplex. All GS-xx switches are designed around single chip controllers. Single chip controllers benefit from wire speed non-blocking performance while making use of reliable and efficient store and forward switching technology. This architecture ensures maximum throughput with minimum latency. Extensive packet buffering and filtering ensures that data entering the switch at gigabit speeds can be efficiently delivered to destination ports at 10Mbps, 100Mbps or 1000Mbps, without flooding the destination ports segment.

For SOHO or small workgroup environments:



GS-05DX : 5 Port Gigabit Ethernet Switch



GS-08DX : 8 Port Gigabit Ethernet Switch

For Server farms, Bandwidth intensive workgroups or Corporate backbone applications:



GS-16T : 16 Port Gigabit Ethernet Switch



GS-24T : 24 Port Gigabit Ethernet Switch

### Features:

- ✓ 10/100/1000Mbps Auto-negotiation Gigabit Ethernet ports
- ✓ Auto MDI/MDI-X for each port
- ✓ Support Full/Half duplex transfer mode for 10/100Mbps
- ✓ Support Full duplex transfer mode for 1000Mbps
- ✓ Wire speed reception and transmission
- ✓ Store-and-Forward switching method
- ✓ Integrated MAC address Look-Up Engine
- ✓ Extensive front-panel diagnostic LEDs
- ✓ IEEE 802.3x flow control for full-duplex
- ✓ Back pressure flow control for half-duplex

On-line brochures available for related products: <http://www.alloy.com.au/Resource.asp>

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