



# GSS-48T2T2SFP SWITCH

## Web Managed 48/52 Port Gigabit Switches with mini-GBIC

Alloy offers a range of Gigabit switches in both fixed port configurations and modular configurations. All are based on latest generation highly integrated ASIC technology, to achieve the maximum level of performance and flexibility for your 10/100/1000Mbps networking needs.

The GSS-48T2T2SFP is a high performance web-smart switch that provides 48 10/100Mbps copper Ethernet ports as well as 2 Gigabit Ethernet copper ports and 2 mini-GBIC Gigabit ports. Optional fibre transceivers can be installed into either or both of the mini-GBIC slots, in combinations of either multi-mode fibre transceivers for short distance applications or single-mode fibre transceivers for long distance applications (for example, for construction of high-speed fibre backbones).

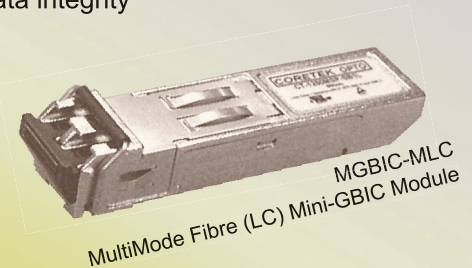
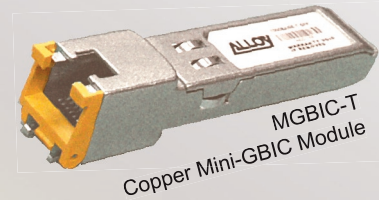
The expandable design of the GSS-48T2T2SFP provides an ideal solution for virtually any network where high port density is required. Small to medium enterprises will benefit from the "lower real estate" cost of this switch - 48 ports and 4 Gigabit ports, all within a single rack unit height. The switch supports standard IEEE 802.3 networking protocols and will auto sense the port speed and duplex on all ports to provide trouble free installation and operation. All ports support Non-blocking maximum wire speed performance with auto-negotiation and AUTO-MDIX functions on all copper interfaces.

The GSS-48T2T2SFP supports both port-based VLAN and Tag-based VLAN for enterprise connectivity. To increase bandwidth for backbone applications up to 7 trunks can be enabled with a maximum of eight ports in each trunk, this provides upto 800Mbps trunks from 100Mbps ports or 2 Gigabit trunks from the 1000Mbps ports.

The GSS-48T2T2SFP is perfectly suited to larger workgroup applications, with high speed Gigabit Uplinks and/or Trunking.

## KEY FEATURES

- ✓ 48 ports of 10/100Mbps Auto-negotiation Fast Ethernet RJ-45 ports
- ✓ 2x 10/100/1000Mbps Auto-negotiation Gigabit RJ-45 ports
- ✓ 2x SFP slots, for installation of optional mini-GBIC modules
- ✓ All RJ-45 ports support auto MDI/MDIX, obviating the need for specialist crossover cables or an up-link port
- ✓ Full/half duplex transfer mode for 10/100Mbps RJ-45 port
- ✓ Full duplex transfer mode for all Gigabit ports and SFP slots
- ✓ Store-and-Forward switching fabric to support rate adaptation and ensure data integrity
- ✓ Up to 4K self-learning/table-aging unicast address entities per device
- ✓ 1536KB packet buffer
- ✓ Supports IEEE 802.3x flow control for full-duplex mode ports
- ✓ Supports Back-pressure flow control for half-duplex mode ports
- ✓ Supports port-base VLAN
- ✓ Supports port-base Quality of Service (QoS )
- ✓ Trunk Groups: up to eight 800Mbps groups plus a 4Gbps group
- ✓ Supports port-setting for Speed/Disable, Flow control
- ✓ Easy management/configuration via WEB Browser
- ✓ Standard 19" Rack-mount size



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

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<b>Protocol</b>	CSMA/CD
<b>Standards</b>	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3z 1000BASE-SX/LX Gigabit Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3x Full Duplex Flow Control
<b>Data Transfer Rate</b>	10Mbps (half duplex), 20Mbps (full-duplex) Fast Ethernet: 100Mbps (half duplex), 200Mbps (full-duplex) Gigabit Ethernet: 2000Mbps (full-duplex)
<b>Topology</b>	Star
<b>Network Cables</b>	10BASE-T: 2-pair UTP Cat. 3, 4, 5; up to 100m 100BASE-TX: 2-pair UTP Cat. 5; up to 100m 1000BASE-T: 4-pair UTP Cat. 5; up to 100m
<b>Fibre module:</b>	mini-GBIC Fibre module(1000BBASE-SX/LX)
<b>Number of Ports</b>	48 × 10/100Mbps Auto-MDIX RJ-45 ports 2 × 10/100/1000Mbps Auto-MDIX RJ-45 ports 2 × mini-GBIC fiber slot
<b>Transmission Method</b>	Store-and-forward
<b>Filtering Address Table</b>	4K entries per device
<b>Packet Filtering/Forwarding Rate</b>	10Mbps Ethernet: 14,880/pps 100Mbps Fast Ethernet: 148,800/pps 1000Mbps Gigabit Ethernet: 1,488,000/pps
<b>RAM Buffer</b>	1536K Bytes per device
<b>AC inputs</b>	100-240V AC, 50-60 Hz internal universal power supply
<b>Power Consumption</b>	24Watts (Max)
<b>Temperature</b>	Operating: 0 degrees ~ 40 degrees C Storage: -10 degrees ~ 70 degrees C
<b>Humidity</b>	Operating: 10% ~ 90% Storage: 5% ~ 90%
<b>Dimensions</b>	440 x 200 x 44 mm (W x H x D)
<b>EMI:</b>	C-Tick, FCC Class A, CE Mark Class A, VCCI Class A

