

# SS2GR2048I

44-Port 10/100/1000Base-T + 4 RJ45/SFP Combo + 4 (1G/10G) SFP+ Layer 2 Managed Switch

The SS2GR2048i, the next generation L2+ managed switches from Amer Networks, is a portfolio of affordable managed switch that provides a reliable infrastructure for your business network. This switch delivers more intelligent features you need to improve the availability of your critical business applications, protect your sensitive information, and optimize your network bandwidth to deliver information and applications more effectively. It provides the ideal combination of affordability and capabilities for entry level networking includes small business or enterprise application and helps you create a more efficient, better-connected workforce.



## Specifications

### Performance

- Switching Capacity: • 176 Gbps
- Forwarding Rate: • 130.94 Mpps
- MAC Address Table Size: • 32K
- Jumbo Frames: • Frame sizes up to 9KB supported on Gigabit interfaces

### Ports & Port Features

- 10G SFP+: • 4
- Green Ethernet: • Link detection automatically turns off power on RJ45 ports when detecting link down/idle client
- LED Status Indicators: • Port link activity; Port connectivity; Power;
- RJ45 10/100/1000Base-T: • 44
- Combo (RJ-45/SFP): • 4
- Auto-negotiation: • For port speed and duplex mode

### L2 Features

#### Supported Features:

- Loop detection; IGMP v1/2/3 snooping; MLD v1/2 snooping; IGMP Snooping and IGMP Querier; Broadcast Storm Control; IGMP Querier; DHCP Relay (Layer 2); IGMP Proxy;

#### Spanning Tree Protocol:

- IEEE 802.1D Spanning Tree Protocol (STP); IEEE 802.1w Rapid Spanning Tree Protocol (RSTP); IEEE 802.1s Multiple Spanning Tree Protocol (MSTP);

#### VLANs:

- Supports 4K IEEE 802.1Q VLANs; Portbased; MAC-based; Private; GVRP; Voice;

#### Link Aggregation:

- IEEE 802.3ad Link Aggregation;

#### Trunk Links:

- 2-8 Gigabit Ethernet port links (up to 14 groups)

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## Specifications

### • Qos

- Supported Features: • DiffServ; WRR; Port Rate Limiting; ToS;
- Priority Queues: • 8 hardware queues per port
- Traffic Classification: • IEEE 802.1p CoS; IP Precedence; DSCP IPv4 and IPv6; Access Control List; Marking;

### • Security

- Supported Features: • IEEE 802.1X port-based and MAC based; RADIUS for IPv4 and IPv6; TACACS+ Authentication; Access Control List; SSH; Provides multi-host authentication;

### • Management

- Supported Features: • CLI via console port or Telnet; WEB management; SNMP (v1, v2c, v3); RMON (groups 1, 2, 3 and 9); Port Mirroring; SNTp; MIB interface; Syslog;

#### Firmware & Configuration:

- Dual firmware images; Firmware upgrade via TFTP/FTP/Xmodem; Configuration file upload/download via TFTP/FTP server;

#### Single IP Management:

- IP Stacking up to 16 switches

### • Warranty and Support

Warranty: Limited Lifetime Warranty for as long as the original customer/end user owns the product, or five years after product discontinuance, whichever occurs first; (excluding power supplies and fans); Power supplies and fans carry a limited 1 year warranty;

Support: Free technical support (phone/email); Software support; Premium incident support.

### • Electronic Features & Electrical Emissions

- Emissions: • FCC Class A; CE Mark Class A;
- Power Supply: • 100-240 VAC, 50/60Hz, 2A, Internal Universal Switching

### • Environmental Parameters

- Humidity Range Operating: • 10-90%
- Max Operating Temperature: • 104F
- Min Operating Temperature: • 32F

### • Dimentions & Weight

- Width x Depth x Height: • 44.2 x 30 x 4.4cm
- Weight: • 4.1Kg