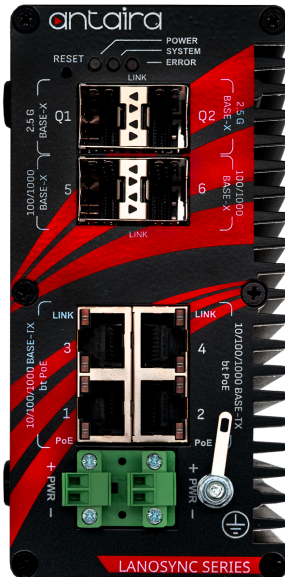


QMP-0804G-2Q2S-bt-T

MANAGED GIGABIT POE++ ETHERNET SWITCH



FEATURES

- Support 4*10/100/1000Tx RJ45 with PoE++ (90W per port), 2*100/1000 SFP, and 2*100/1000/2.5G SFP
- IEEE1588 v.2-based Precision Time Synchronization (PTPv.2) Profiles: 1588, G.8265.1 and G.8275.1
- ITU-T G.8032 compliant Ring Operation with < 20ms reconfiguration, up to 64 rings simultaneously
- Support for PROFINET Conformance Class A
- Access Security SNMPv3, HTTPS, and SSH
- Redundant DC Power Supply
- Operating Temperature Range: -40° to 85°C
- 5-Year Warranty



INTRODUCTION

Antaira Technologies' QMP-0804G-2Q2S-bt-T features a versatile interface, including 4 RJ45 ports (10/100/1000) that support high-power PoE up to 90W per port. It also includes 2 SFP ports (100/1000) and 2 SFP ports (100M/1G/2.5G). The total power output for all PoE ports is capped at 240W.

For enhanced reliability, the device incorporates standard built-in secondary 4kV 10/700µs ITU K.44 surge protection on the RJ45 ports' transmission path. It also offers standard support for precision time synchronization profiles based on IEEE1588 v.2 (PTPv.2), specifically 1588 default, G.8265.1, and G.8275.1. The unit is powered by a 20-60V DC redundant power supply, with 45-57V required for PoE++ applications.

SPECIFICATIONS

Hardware Specifications

Total Ports	RJ-45 GE	SFP 1G Fiber	SFP 2.5G Fiber	90W PoE++	PoE Power Budget	System Power	Input Voltage	Operating Temp.
8	4	2	2	4	240W @ 55VDC	15W without PoE	20-60VDC, redundant 45-57VDC, PoE++	-40 to 85°C -40 to 185°F

Physical Specifications

Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing	PoE LED Indicator
65 x 135 x 125mm 2.56 x 5.31 x 4.92in	0.90kg 1.98lb	0.94kg 2.08lb	DIN-Rail	Metal, IP40	Yes

Standards

IEEE 802.3 10BASE-T Ethernet
 IEEE 802.3u 100BASE-TX Fast Ethernet
 IEEE 802.3ab 1000BASE-T Gigabit Ethernet
 IEEE 802.3u 100BASE-FX Fast Ethernet Fiber
 IEEE 802.3z Gigabit Fiber
 IEEE 802.3af Power over Ethernet
 IEEE 802.3at Power over Ethernet Plus
 IEEE 802.3bt Power over Ethernet Plus Plus
 ITU K.44 Overvoltages and Overcurrents Protection

IEEE 802.3x Flow Control and Back-pressure
 IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
 IEEE 802.1p Class of Service (CoS)
 IEEE 802.1Q VLAN
 IEEE 802.1ad QinQ
 IEEE 802.1D Spanning Tree Protocol (STP)
 IEEE 802.1D-2004 Rapid Spanning Tree Protocol (RSTP)
 IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
 IEEE 802.3ad Link Aggregation Protocol (LACP)
 IEEE 802.1x Port Based Network Access Protocol
 IEEE 802.3az Energy Efficient Ethernet (EEE)

Management

Protocols	IPv4, IPv6, ARP, ICMP, TCP, UDP, DNS, IGMP v1, v2, v3, MLD v1, v2, GMRP, GVRP, SNMP v1/v2c/v3, DHCP Client, NTP, SMTP, RMON, HTTP, HTTPS, Telnet, SSH v2, Syslog, EtherNet/IP, SNMP Inform, LLDP, NTP server/client, IEEE1588 PTPv2, MIB-II, Ethernet-Like MIB, PROFINET Conformance Class, Radius centralized password management, 1-wire
Network Redundancy	ITU-T G.8032 Ethernet Ring (ERPS) <20ms IEEE 802.1D Spanning Tree (STP) IEEE 802.1D-2005 Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
IEEE 802.1x	EAP, TACACS+, RADIUS - authentication, authorization and accounting functions - AAA
Additional Management	Port Mirroring

Switch Properties

MAC Address Table	Up to 8192 entries
VLANs	4096
QoS	8
Ambient Humidity	0% to 95% (non-condensing)
MTBF	649,000 hrs.

Compliance Specifications

EMC	IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-11
Safety	PN-EN 55035:2017-09 PN-EN 55032:2015-09 PN-EN IEC 62368-1:2020-11 PN-EN 55011:2016 PN-EN 60825-1:2014-11 EMC 2014/30/EU LVD 2014/35/EU
Warranty	5 Years

ORDERING INFORMATION

Industrial Ethernet Switch	
QMP-0804G-2Q2S-bt-T	8-Port Industrial Gigabit PoE++ Managed Ethernet Switch, w/4*10/100/1000Tx (90W/port) + 2*100M/1G/2.5Gbps + 2*100M/1G SFP Slots; EOT: -40°C to 85°C

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