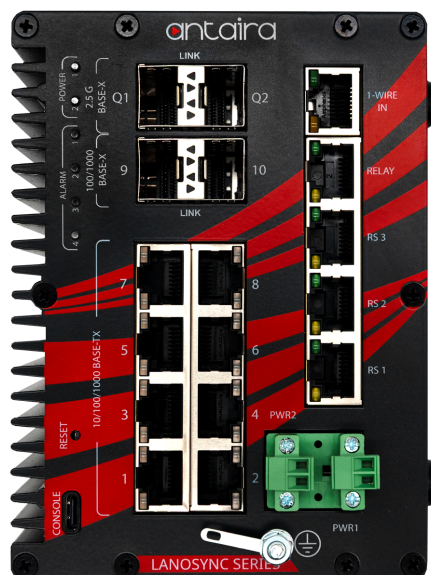


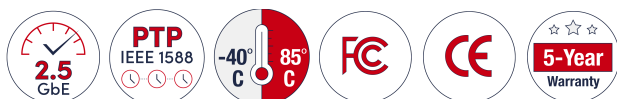
QMX-1204G-2Q2S-T

GIGABIT MANAGED ETHERNET SWITCH



FEATURES

- Support 8*10/100/1000Tx RJ45, 2*10/100/1000 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
- NTP Protocol in Server/Client Mode and SNTP
- Support for PROFINET Conformance Class A
- Ethernet OAM support (Link OAM and Service OAM)
- Access Security SNMPv3, HTTPS, and SSH
- Redundant DC Power Supply
- Operating Temperature Range: -40° to 85°C
- 5-Year Warranty



INTRODUCTION

Antaira Technologies' QMX-1204G-2Q2S-bt-T features a versatile interface, including 8 RJ45 ports (10/100/1000). It also includes 2 SFP ports (10/100/1000) and 2 SFP ports (100M/1G/2.5G).

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.

SPECIFICATIONS

Hardware Specifications

Total Ports	RJ45 GE	SFP 1G Fiber	SFP 2.5G Fiber	System Power	Input Voltage	Operating Temp.
12	8	2	2	15W	20-60VDC, redundant	-40 to 85°C -40 to 185°F

Physical Specifications

Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing
99 x 135 x 125mm 3.9 x 5.31 x 4.92in	0.90kg 1.98lb	0.94kg 2.08lb	DIN-Rail	Metal, IP30

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 802.3x 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, Synchronous Ethernet G.8261, MIB-II, Ethernet- Like MIB, IEEE 802.1x Port Based Network Access Protocol, EAP, TACACS+, RADIUS, NAS, OpenDNP3 (IEEE-1815, DNP3), DLMS, RMON, MIB II, Port mirroring, DNS, IEEE802.1ab LLDP, LLDP-MED
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

Switch Properties

Switching Capacity	20Gbps
Forwarding	17.9Mpps
MAC Address Table	Up to 8192 entries
VLANs	4096
QoS	8
Ambient Humidity	0% to 95% (non-condensing)
MTBF	628,000 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 IEC 61000-4-12 IEC 61000-4-29 EN 61000-6-2:2019-04 EN 61000-6-5:2016-01 EN 61850-3:2005
Safety	EN 55011:2016-05/A11:2020-07 EN 61000-6-2:2019-04 EN 55035:2017-09 EN IEC 62368-1:2020-11 EN 60825-1:2014-11 EMC 2014/30/EU LVD 2014/35/EU

Warranty	5 Years
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ORDERING INFORMATION

Industrial Ethernet Switch	
QMX-1204G-2Q2S-T	12-Port Industrial Gigabit Managed Ethernet Switch w/8*10/100/1000Tx RJ45 Ports, 2*100/1000Mbps SFP Slots + 2*100M/1G/2.5Gbps SFP Slots; EOT: -40°C to 85°C

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 Specifications are subject to change without notice and without incurring any obligation.