

# ROCKETLINX® MP1204-XT

Part Number: 32145-3



### **KEY FEATURES AND BENEFITS**

- Provides eight 10/100/1000 BASE-TX PoE ports and four 100/1000BASE-FX SFP slots
- IEEE 802.3af 15.4W / IEEE 802.3at 30W High Power PoE
- Total PoE power budget: Maximum. 240W PSE power delivered
- LLDP-MED
- Voice VLAN
- Supports TACACS+
- Network redundant LACP, STP, RSTP, MSTP, and quick ring protection(< 20 ms)</li>
- Port-based /tag-based VLAN, IEEE 802.1 ad/QinQ VLAN, Add/remove VLAN
- Multicasting supports IGMP v1/v2/v3, proxy and snooping
- Multicast/broadcast/flooding storm control
- IEEE802.1x access control
- VLAN mirroring
- CLI/Web/SNMP management interfaces
- PoE PSE power management and PD power consumption monitoring
- Dual power input and reverse power protection
- DIN-rail and wall mounting option
- Green Ethernet (EEE, ActiPHY, and PerfectReach)
- Extended temperature range, -40° 75° C

## **PRODUCT DESCRIPTION**

The RocketLinx MP1204-XT is a Gigabit 12-port industrial PoE switch with eight PoE Plus ports, which are IEEE 802.3af and IEEE 802.3at compliant and also provides four SFP slots. The

MP1204-XT provides an extended operating temperature range, which is ideal for IP camera, access point, and critical PoE devices.



### ROCKETLINX SPECIFICATIONS

HARDWARF Network Interface Eight 10/100/1000 BASE TX PoE ports and four 100/1000BaseFX SFP slots Connector Types 8 – RJ45 copper ports 4 – SFP slots Ingress Protection Enclosure IP30 Steel Installation Method EN50022 DIN Rail LED Indicators Power, Alarm, PoE, Link/Activity, Ring Role, and Ring Status Alarm Relay Relay output with current carrying capacity of 0.5A @ 24VDC. Configurable alarm profile to enable Alarm LED, alarm relay and SIMP traps Serial Console Port RJ45 to DB9 RS-232 (TxD, RxD, Signal Ground R/45 to DB9 K5-252 (1XD, rXD, signal Ground Dimensions 6.06%(H) x 5.04%(D) x 3.03%(W) 154mm(H) x 128mm(D) x 77mm(W) Switch Technology Store and forward, L2 wire-speed/non-blocking switching engine Product Weight 3.15 lbs 1.43kg ETHERNET SPECIFICATIONS Number of Ports 12 **RJ45** 8: 10/100/1000BASE-T PoE Plus Auto MDI/MDIX, Auto-negotiation (Speed/Duplex mode) 4: SFP (pluggable) Ports 100/1000BASE Auto-negotiation (Speed/Duplex Mode) SFPs (Optional) Supports 100FX SFP transceivers or 1000BASE-TX SFP transceivers Cable Twee Cable Types Cat 3, Cat 4, Cat 5, Cat 5e, Cat 6 (UTP or STP) Cable Types Cat 3, Cat 4, Cat 5, Cat 5e, Cat 6 (UTP or STP) Link Distances R[45:100 meters SFP (Depends on the SFP model) Port Alarm Relay Jumbo Frame Size Standards IEEE 802.3u: 10BASE-T Ethernet IEEE 802.3u: 100BASE-TX Fast Ethernet IEEE 802.3u: 100BASE-TX Fast Ethernet IEEE 802.3u: 100BASE-TG giabit Ethernet Fiber IEEE 802.3u: 100BASE-TG giabit Ethernet Fiber IEEE 802.3u: 100BASE-TG giabit Ethernet Copper IEEE 802.3u: 100BASE-TG giabit Ethernet Copper IEEE 802.3u: 100DBASE-TG giabit Ethernet Fiber IEEE 802.3u: 100DBASE-TG giabit Ethernet Copper IEEE 802.1AB: Link Layer Discovery Protocol (LLDP) IEEE 802.1AB: Link Layer Discovery Protocol (LLDP) IEEE 802.1D: 2004: Rapid Spanning Tree Protocol (RSTP) IEEE 802.1D: VLAN Tagging, GVRP, and Double Tag VLAN IEEE 802.1X: Port Based Network Access Control IEEE 802.3d: Port Trunking with Link Aggregation Control Descrevel 404070 IEEE 802.3ad: Port Trunking with Link Aggregation Control Protocol (LACP) IEEE 802.3x: Flow Control and Back-Pressure Supports IPv4 and IPv6 Internet Protocol POE FEATURES PoE Modes 802.3af 802.3at (2-event) 802.3at (LLDP-MED) Number of PoE Plus Injector Ports 8 PSE Type 802.3at Type 2 Alternative A Standards IEEE 802.3af POE IEEE 802.3at LLDP POE Plus Extension of IEEE 802.1ab and is defined by ANSI/TIA-1057 Maximum Poe Power/Port 15.4W (IEE 802.3af) 30W (IEE 802.3at) Total Power Budget (Max) 240W Total Power Budget (Max) 240W Power Consumption Without PD load (Max): 14W PoE with PD load (Max): 265W with 240W PSE IEEE 802.3 aft. 2-92A @ 48VDC [134W] IEEE 802.3 at: 4.89A @ 53VDC [247W] PoE Control Enable or disable PoE, set/port PoE mode, and schedule-based PoE functions Real-Time PoF Status Yes

#### PoE Output Pin-Out (RJ45)

Warranty Information

Comtrol offers a 30-day

5-year limited warranty.

satisfaction guarantee and



Sales Support

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Pins 1, 2 - V+ Pins 3, 6 - V-PoE Scheduling PoE ports are configurable as On/Off by hourly/daily/weekly basis MANAGEMENT FEATURES Configuration and Monitoring Interfaces Out-Band Management: console port with Command Line Interface (CLI) - Similar to Cisco CLI In-Band Management: web interface (HTTP/HTTPS) or a telnet/ssh console with CLI System Upgrade/Backup Web interface support for firmware upgrade and configuration backup/restore SNMP SNMP v1, v2c and v3 SNMP MIB MF MB RFC 1757 RMON 1,2,3,9; RFC 2674 Q-Bridge MIB, RFC-1213 MIB-II; RFC-1493 Bridge MIB; RFC 2233 IF MIB System Log Supports server mode syslog SECURITY FEATURES Port Security IP and MAC-based access control IEEE 802.1X authentication network access control NAS Supports system and port configuration User Privilege 16 configurable user privileges. Authentication Levels Console, telnet, ssh, and http Access Management Server Authentication Up to 16 entries RADIUS and TACACS+ NETWORK REDUNDANCY NETWORK REDUIDANCE Loop Protection Provides Layer 2 loop prevention through STP, RSTP, and MSTP. Loop protection increases the efficiency of STP, RSTP, and MSTP by preventing ports from moving into a forwarding state that would result in a loop in the network state that would result in a loop in the network Multiple Spanning Tree IEEE 802.1s MSTP Rapid Spanning Tree Protocol IEEE 802.1D-2004 Rapid Spanning Tree Protocol (RSTP), Compatible with legacy STP and IEEE 802.1w Redundant Ring Technology Supports single and multiple rings; ring coupling; dual-homing; chain Port Trunk with LACP Static runk or dynamic via LACP (Link Aggregation Contr Static trunk or dynamic via LACP (Link Aggregation Control Protocol) NETWORK PERFORMANCE Access Control List Permit/ Deny Access Control Lists Back-Pressure IEEE 802.3x Back-Pressure(Half Duplex) Class of Service (CoS) IEEE 802.1p - 8 Priority Queues/Port DHCP Client Sector Bold Client, Server, Relay, Snooping, Option 82 Flow Control Pause Frame IEEE 802.3x (Full Duplex) Green Ethernet EEE, ActiPHY, and PerfectReach IEEE 802.1ad Double-Tag for Private VLAN Access IGMP IGMP v1/v2/v3, proxy, snooping, and querying IP Source Guard Assign authorized IP addresses to specific port, 112 rules permitted per switch LLDP IEEE 802.1ab: Link Layer Discovery Protocol אריקע Supports Link Layer Discovery Protocol Media Endpoint Discovery Port-Based Network Access Control/EAP For t-based network Access Control/EAP IEEE 802.1X: Port-Based network access control with EPoL (Extensible Authentication Protocol over LAN) to permit or deny interface access with remote RADIUS server authentication, TACACS+ Port Configuration Dort link proced link mode port status and to the the Dort link proced link mode.

Port taking speed, link mode, port status, enable/disable Port Mirroring Online traffic monitoring on multiple selected ports Port Security

Port Security Assign authorized MAC addresses to specific port using the dynamic ARP inspection table, which can contain up to 256 entries Port Terupt (Link Agrogation

Port Trunk/Link Aggregation IEEE 802.3ad LACP – Port Aggregation and Static Port Trunk Each trunk member supports up to 12 ports

Time Synchronization NTP protocol with Daylight Saving Function and Localize Time Sync Function. Traffic Prioritization (QoS) 8 physical queues per port Weighted Fair Queuing (WRR) or Strict Priority Scheme, which follows 802.1 p QoS tag ID and IPv4 ToS/ Diffserv information to prioritize network traffic Traffic shaper, which provides port-based shaping RADIUS-assigned QoS class VIAN HN IEEE 802.1Q VLAN with 4K (Max) IEEE 802.1ad double tagging (Q in Q) Maximum four multicast VLANS (MVR) Port based MAC-based VLAN Protocol-based VLAN IP Subnet-based VLAN RADIUS assigned Voice VLAN, LLDP-MED VolP ELECTRICAL SPECIFICATIONS DC Input Voltage 46-58 VDC Power Consumption Max. 14W without PD connected 265W with 240W PSE power delivered 265W with 240W PSE power of Number of Power Inputs Power Connector Type Power Input Redundancy Reverse Polarity Protection Digital Output (Relay Output) DC Input Voltage Current Consumption (30VDC) Multi-Event Relay Feature 6-Pin Screw Terminal Block Dual Redundant Inputs Yes . 24VDC 0.5A Maximum Low and High Temperature Port Link ENVIRONMENTAL SPECIFICATIONS Air temperature System On System Off -40° to 75 C 40° to 85 C Operating Humidity (non-condensing) 0% to 90% Mean Time Between Failures >25 >25 years EXPORT INFORMATION Packaged Shipping Weight 4.1 lbs 1.86kg Package Dimensions 9.5" x 7.5" x 5.2" 240mm x 190mm x 132mm 7-56727-32145-3 UPC Code ECCN Schedule B Number 5490 8517.62.0050 REGULATORY APPROVALS missions European Standard 61000-6-4 Canadian EMC Requirements - ICES-003 CISPR 22 FCC Part 15 Subpart B Class A limit Class A limit Emissions Class A limit Immunity European Standard 61000-6-2: IEC 1000-4-2/EN61000-4-2: ESD IEC 1000-4-3/EN61000-4-3: RF IEC 1000-4-3/EN61000-4-4: Fast Transient/ Burst IEC 1000-4-5/EN61000-4-5: Surge IEC 1000-4-5/EN61000-4-6: Conducted Disturbance IEC 1000-4-9/EN61000-4-8: Magnetic Field IEC 1000-4-9/EN61000-4-9: Pulse Magnetic Field IEC 1000-4-9/EN61000-4-11: Dips and Voltage Variations Safety Safety IEC 60950/EN60950 CSA C22.2 No. 60950/UL60950 European Standard: 2011/65/EU RoHS2 NEMA TS2 Compliant Vibration IEC60068-2-6 IEC 60068-2-27 IEC 60068-2-32 Shock Free Fall Regulatory Approvals

Maximum of 6 trunk groups including Gigabit Ethernet ports Private VLAN

Direct client ports in isolated/community VLAN to port in primary VLAN

Supported

sFlow



Email, FTP, and Web Support

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**Technical Support** 

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