VOLKTEK

Hawkeye 9060

Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Industrial Switch

Description

Hawkeye 9060 Series Managed Gigabit Industrial switch is equipped with 4 IEEE 802.3bt 90W PoE++ ports, 2GbE SFP slots, and 2 Digital inputs, for the growing demands of IP applications needing high-power and Gigabit speed data transmissions with smart systems. The Hawkeye 9060 series is a scalable, cost-effective, and future-proof solution with backward compatibility that includes 802.3af/at PoE standards for building automation and outdoor surveillance systems, as well as smart city applications that use sensors.

Engineered with hardened components and enclosed in an IP40 rugged case, this ethernet solution is ideal for outdoor and critical applications that need continuous operation and the supply of power. Hawkeye 9060 Series has a wide operation range from -40°C to 75°C and excellent tolerance capability to high vibration and shock

Hawkeye 9060 Series offer 360W and 240W of power supply in its existing versions. Hawkeye 9060, with 48~57V DC high voltage power input, supports 10KBytes jumbo frames, offers management features and protects the network. Among it's features it offers network aggregation qualities with ModbusTCP and LLDP protocols, PD automation capabilities with uninterrupted power, a reliable network with super-fast recovery in milliseconds, and network monitoring by visualizing all network devices on its topology map.





















Robust Switch Performance

Hawkeye 9060 is built with IP30 aluminum case protection, surge and ESD protection to deliver robust performance and withstand extreme conditions in Industrial environments. The SFP ports support 1000Mbps for high bandwidth transmissions and the SFP DDM feature enables service providers to monitor SFP parameters. In case of any abnormal hardware condition, the switch automatically sends warnings through email and relay output with real-time alarm messages. This assists the system administrators to immediately react to emergency events and diagnose the faults more efficiently for smoother network operations.



High-Power Budget for PoE Network Devices

To fulfill the growing demand of high-bandwidth, high-power PoE for network applications and eliminating the cost of electrical cabling and circuits, the Hawkeye 9060 Series switch is designed under IEEE 802.3bt standard PoE.

With PoE++, the switch allows simple "plug and play" PoE to meet the growing demand for high power-consuming PoE devices such as LED luminaire, PTZ IP Cam, etc. Using SNMP and Web interface, with smart PoE functions on each port can be enabled and disabled to save power and energy. This makes Hawkeye 9060 Series a very convenient and well-suited solution for smart home and building automation applications.



Intelligent PoE++ for powered devices

The Hawkeye 9060 is designed with intelligent PoE++ features to utilize power more efficiently. To monitor real-time status of PDs, the switch sends alive-checking packets to PDs. This reduces management burden and increases system reliability. Using power scheduling mechanism of the switch, administrators can set power on each port to a desired hourly/weekly schedule and can enable or disable the power output to these devices accordingly.

PoE Scheduling





Perpetual PoE



Fast PoE





alog

Features Highlight

Redundant Power system

Mission-critical industrial applications need to operate without any interruptions because even a minimum network downtime can hugely impact the overall output. Hawkeye 9060's redundant power assures continous power, designed with the industrial standard terminal block for redundant power. In case the primary power supply fails, the secondary power will enable the switch to provide continuous service and an alarm with will inform technicians of the event.

Efficient network monitoring and proactive capability

To ammend the issues that impact network performance quickly, Hawkeye 9060 Series uses the most accepted protocols, SNMP and RMON, for traffic management, monitoring and analysis. SNMP allows end users to centrally manage different levels in a network, and RMON gives the capability to monitor the network performance. Service providers can ensure a reliable network by identifying connectivity and performance issues and isolating the problem remotely on individual switches. This avoids high OPEX and provides administrators the control they need to manage a healthy and efficient network.

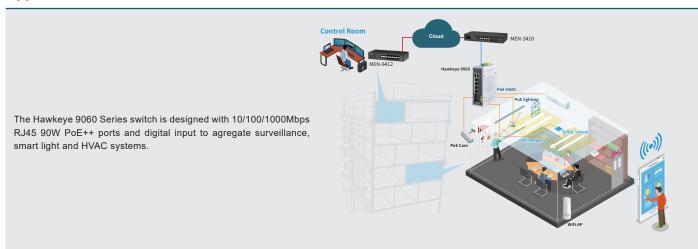
Bandwidth management to prevent unpredictable network status

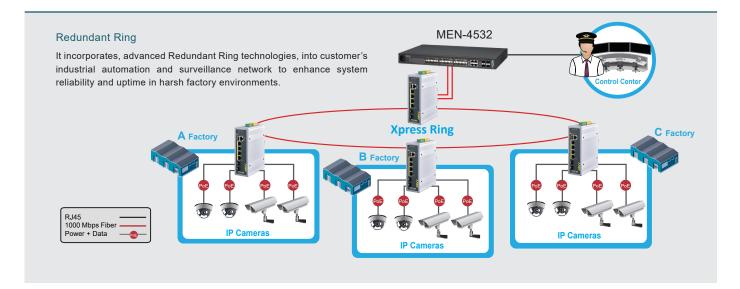
Industrial surveillance applications need different levels of services delivered to them reliably without any transmission delays and interruptions. The Hawkeye 9060 Series has comprehensive QoS mechanisms which assign priority to applications and sends only specific dedicated traffic to them. In addition, bandwidth management function of the switch allocates high bandwidths to mission-critical communications and reduce the bandwidth to applications that are less critical. With full bandwidth control, the administrators can prevent unpredictable errors and utilize it efficiently.

Redundant Ring and Fast Recovery for Surveillance System

To avoid link downtimes that may cause big inconvenience in IP systems of smart infrastructures Volktek solutions use Xpress Ring, to restore connection failures within less than 10ms and recover rapidly.

Applications





VOLKTEK

Specifications

Standards	
IEEE 802.3	10BASE-T
IEEE 802.3u	100BASE-TX
IEEE 802.3ab	1000BASE-T
IEEE 802.3z	1000Base-SX/LX
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3x	Flow Control
IEEE 802.1ad	Link Aggregation
IEEE 802.3af	Power over Ethernet
IEEE 802.3at	Power over Ethernet Plus
IEEE 802.3bt	4 pairs PoE type 3/type 4
IEEE 802.3az	Energy Efficient Ethernet
IEEE 802.1AB	LLDP
IEEE 802.1ad	QinQ
IEEE 802.1D	STP
IEEE 802.1w	RSTP
IEEE 802.1s	MSTP
IEEE 802.1p	Class of service, priority protocols
IEEE 802.1Q	VLAN tagging
IEEE 802.1X	Port Authentication
IEEE 1588v2	PTP
Interface	
	4 x 10/100/1000BASE-T (PoE RJ45)
	2 x GbE SFP Slots
Ports	1 x RJ45 Console Port
	1 x USB Port
DIP Switch	Primary/Redundant Power Voltage Drop Alarm setting
Dii Owitch	PWR, RPS, ALM, POST, SFP, PoE, 1000M, LNK/ACT
	Green: 802.3bt PoE power is delivered.
LED Panel	Amber: 802.3at/af PoE power is delivered.
	Off: No incoming or outgoing PoE power
DI norte	
DI ports	2 x Dry contacts of Digital Input
Features	1 1 5 0: 10/0
	Jumbo frame Size: 10KBytes
Performance	MAC Table Entries: 16K
	Active VLAN: 4K
	Switch Fabric: 12Gbps
	L2 Forwarding Rate: 8.9Mpps
	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c,
	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management
	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable,
	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP,
	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82,
Management	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control,
Management	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm,
Management	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support,
Management	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable,
Management	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot
Management	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority
	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2,
Management Reliability	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy,
	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk
Reliability	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN,
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Reliability	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ
Reliability	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control,
Reliability	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit,
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Reliability	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Port Isolation, Loop Detection Traffic Monitor, Priority Queue, ACL, SSH, Port Security, Port-based 802.1x, TACACS+,
Reliability VLAN Traffic Control	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Port Isolation, Loop Detection Traffic Monitor, Priority Queue, ACL, SSH, Port Security, Port-based 802.1x, TACACS+, MAC limit, MAC Search, Refusal MAC, Static MAC,
Reliability	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Port Isolation, Loop Detection Traffic Monitor, Priority Queue, ACL, SSH, Port Security, Port-based 802.1x, TACACS+, MAC limit, MAC Search, Refusal MAC, Static MAC, DHCP Snooping, DHCP Server Screening,
Reliability VLAN Traffic Control	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Port Isolation, Loop Detection Traffic Monitor, Priority Queue, ACL, SSH, Port Security, Port-based 802.1x, TACACS+, MAC limit, MAC Search, Refusal MAC, Static MAC,
Reliability VLAN Traffic Control	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Port Isolation, Loop Detection Traffic Monitor, Priority Queue, ACL, SSH, Port Security, Port-based 802.1x, TACACS+, MAC limit, MAC Search, Refusal MAC, Static MAC, DHCP Snooping, DHCP Server Screening,
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Reliability VLAN Traffic Control	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Port Isolation, Loop Detection Traffic Monitor, Priority Queue, ACL, SSH, Port Security, Port-based 802.1x, TACACS+, MAC limit, MAC Search, Refusal MAC, Static MAC, DHCP Snooping, DHCP Server Screening, ARP Inspection, BPDU Guard/Filter, Root Guard, Management Host
Reliability VLAN Traffic Control Security	L2 Forwarding Rate: 8.9Mpps CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, MIB, RMON, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, PTP, SNTP, LLDP, DHCP Client/Relay/Option 66/67/82, Port Mirroring, Server (service) control, Port Utilization, Alarm Information, Email Alarm, ModbusTCP, Power Down trap, DDMI Support, Topology Map, Port Configuration(enable/disable, speed/duplex), ONVIF, Port Statistic, System reboot from remote side, User Account with authority STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy, Dual Xpress-ring, Static Trunk IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ Management VLAN, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Port Isolation, Loop Detection Traffic Monitor, Priority Queue, ACL, SSH, Port Security, Port-based 802.1x, TACACS+, MAC limit, MAC Search, Refusal MAC, Static MAC, DHCP Snooping, DHCP Server Screening, ARP Inspection, BPDU Guard/Filter, Root Guard, Management Host Scheduling, PD Alive Check, PoE Power On/OFF,

Fortunes	
Features	Dual wests sal stock Naighbor Discovery
IPv6	Dual protocol stack, Neighbor Discovery,
	Management (TELNET, HTTP, HTTPS, SSH,
	PING6, TACACS+), DHCPv6 Client, (DHCPv4
	Option 82), DHCPv6 Relay, Default Gateway,
	Static Route, SNMP, SNMP Trap, Syslog, SNTP,
	Auto-provisioning, MLDv1/v2, ACL, ARP
L3 Routing	Static Route
Power	Claire France
rowei	Primary inputs: 48~57VDC
Input Voltage	Redundant inputs: 48~57VDC
0	
Connection	Teminal Block
Power Consumption	System: 20W
	PoE Power Budget
	Hawkeye 9060-4GP2GS-240W-I: 240 Watt
	Hawkeye 9060-4GP2GS-360W-I: 360 Watt
Alarm Relay	One relay output, 1A @ 24V DC
Mechanical and Envi	
Housing	Aluminum (IP40 Protection)
Mounting	DIN-Rail
Operating Temperature	-40°C~75°C (-40°F~167°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Operating Humidity	5 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	970 g (2.14 lb)
Dimension (WxHxD)	50 x 160 x 110 mm (2.0 x 6.3 x 4.3 in)
Certifications	
	FCC Part 15 Subpart B Class A
ЕМІ	EN 55011:2016 Class A
	EN 55032: Class A
	EN 61000-6-4
	EN 55024
	EN 61000-6-2
	EN 61000-4-2 (ESD)
EMS	EN 61000-4-3 (RS)
	EN 61000-4-4 (Burst)
	EN 61000-4-5 (Surge)
	EN 61000-4-6 (CS)
	EN 61000-4-8 (PFMF)
a	
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-27 IEC 60068-2-31
Freefall Vibration	IEC 60068-2-31 IEC 60068-2-6
Freefall Vibration Ordering Information	IEC 60068-2-31 IEC 60068-2-6
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS-	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS- 240W-I	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS- 240W-I Hawkeye 9060-4GP2GS-	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS- 240W-I Hawkeye 9060-4GP2GS- 360W-I	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS- 240W-I Hawkeye 9060-4GP2GS-	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS- 240W-I Hawkeye 9060-4GP2GS- 360W-I Optional Accessories	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS- 240W-I Hawkeye 9060-4GP2GS- 360W-I	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS- 240W-I Hawkeye 9060-4GP2GS- 360W-I Optional Accessories	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget SDR-480P-48: 480W DIN-Rail 48V DC Industrial
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS-240W-I Hawkeye 9060-4GP2GS-360W-I Optional Accessories Power Supply GBM-104	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget SDR-480P-48: 480W DIN-Rail 48V DC Industrial Power Supply, -25°C~70°C (-13°F~158°F)
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS- 240W-I Hawkeye 9060-4GP2GS- 360W-I Optional Accessories Power Supply	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget SDR-480P-48: 480W DIN-Rail 48V DC Industrial Power Supply, -25°C~70°C (-13°F~158°F) 1000BASE-SX 1.25G, Multi-mode SFP, 500m 1000BASE-LX, Bi-Di SFP TX:1310/RX:1550
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS-240W-I Hawkeye 9060-4GP2GS-360W-I Optional Accessories Power Supply GBM-104 GBM-123TS	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget SDR-480P-48: 480W DIN-Rail 48V DC Industrial Power Supply, -25°C~70°C (-13°F~158°F) 1000BASE-SX 1.25G, Multi-mode SFP, 500m 1000BASE-LX, Bi-Di SFP TX:1310/RX:1550 Single Mode, 10Km, 0°C~70°C (-32°F~158°F)
Freefall Vibration Ordering Information Hawkeye 9060-4GP2GS-240W-I Hawkeye 9060-4GP2GS-360W-I Optional Accessories Power Supply GBM-104	IEC 60068-2-31 IEC 60068-2-6 1 L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 240Watt PoE budget L2+ Managed 4 x 10/100/1000 PoE++ & 2 x GbE SFP Switch, 360Watt PoE budget SDR-480P-48: 480W DIN-Rail 48V DC Industrial Power Supply, -25°C~70°C (-13°F~158°F) 1000BASE-SX 1.25G, Multi-mode SFP, 500m 1000BASE-LX, Bi-Di SFP TX:1310/RX:1550

Note:

- * The SFP communication distance upon the request.
- * Industrial SFP with wide operating temperature from -40°C~85°C (-40°F~185°F) is available upon request.
- * Specifications subject to change without notice.



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Dimension

