EKI-9312P

Industrial-Class 12 Port Managed DIN Rail Switch Full Gigabit Switch with PoE/PoE+

NEW

Features

- All Gigabit connections support dual ring protection and non-blocking traffic forwarding
- X-Ring+: recovery time within 10ms for 250 node connections
- IEEE 802.3at PoE+ to supply 30W power
- IEEE 802.3af PoE to supply 15.4 power
- IEEE 802.3af/802.3at per port with system PoE power management
- Dual power input, dual image for system reliability
- Operating temperature: -40 ~ 75° C

Introduction

The EKI-9312P Gigabit managed PoE+ Ethernet switches come standard with 8 10/100BaseT(X), 802.3af (PoE), and 802.3at (PoE+) compliant Ethernet ports, and 4 fiber optic Gigabit Ethernet ports. The EKI-9312P PoE Ethernet switches provide up to 30 watts of power per PoE+ port for heavy-duty, industrial PoE devices, such as weather-proof IP surveillance cameras, high performance wireless access points, and rugged IP phones.

The EKI-9312P are equipped with 8 Gigabit Ethernet ports and up to 4 fiber optic ports, making them ideal for upgrading an existing network to Gigabit speed or building a new, full Gigabit network. The X-Ring+ with RSTP, STP and MSTP support, increases system reliability and the availability of your network. The EKI-9312P are designed especially for bandwidth demanding applications, such as video and process monitoring, intelligent transportation systems, all of which benefit from a scalable backbone construction.

Specifications

Interface	I/O Port	8 x 10/100/1000Base-T/TX RJ-45 4 x 1000BASE-X SFP
	Console port	RJ-45
	F/W backup port	USB
	Power Connector	6-pin screw Terminal Block (including relay)
Physical	Enclosure	Aluminum Shell
	Protection Class	IP 30
	Installation	DIN Rail
	Dimensions (WxHxD)	86 x 165 x 125 (mm)
LED Display	System LED	PWR1, PWR2, SYS, CFG, Alarm and R.M.
	Port LED	Link / Speed / Activity / PoE
Environment	Operating Temperature	-40 ~ 75° C
	Storage Temperature	-40 ~ 85° C
	Ambient Relative Humidity	10 ~ 95% (non-condensing)
	Humidity	10 ~ 95% (non-condensing)
Power	Power Consumption	~ 21.82 Watts (System) EKI-9316P: ~294.22 Watts EKI-9312P: ~203.42 Watts
	Power Input	48 (46 to 57 V) V_{DC} dual inputs (> 53 V_{DC} for PoE+ output recommended)
Certification	EMI	CE, FCC Class A
	Safety	UL60950 C1D2
	EMC	EN61000-6-4; EN61000-6-2; EN61000-4-2 (ESD) Level 4 EN61000-4-3 (RS) Level 3; EN61000-4-4 (EFT) Level 4 EN61000-4-5 (Surge) Level 4; EN61000-4-6 (CS) Level 3 EN61000-4-8 (Magnetic Field) Level 4
	Shock	IEC 60068-2-27
	Freefall	IEC 60068-2-32
	Vibration	IEC 60068-2-6
L2 Features	L2 MAC Address	16K
	Jumbo Frame	12KB
	VLAN Group	4K (VLAN ID 1~4094)
	VLAN Arrange	Mac based VLAN, Protocol based VLAN, IP subnet based VLAN, Port based VLAN, Q-in-Q (VLAN Stacking), GVRP
	Port Mirroring	Per port, Multi-source port, RSAPN,
	IP Multicast	IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
	Storm Control	Broadcast, Multicast, Unknown unicast
	Spanning Tree	IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring+

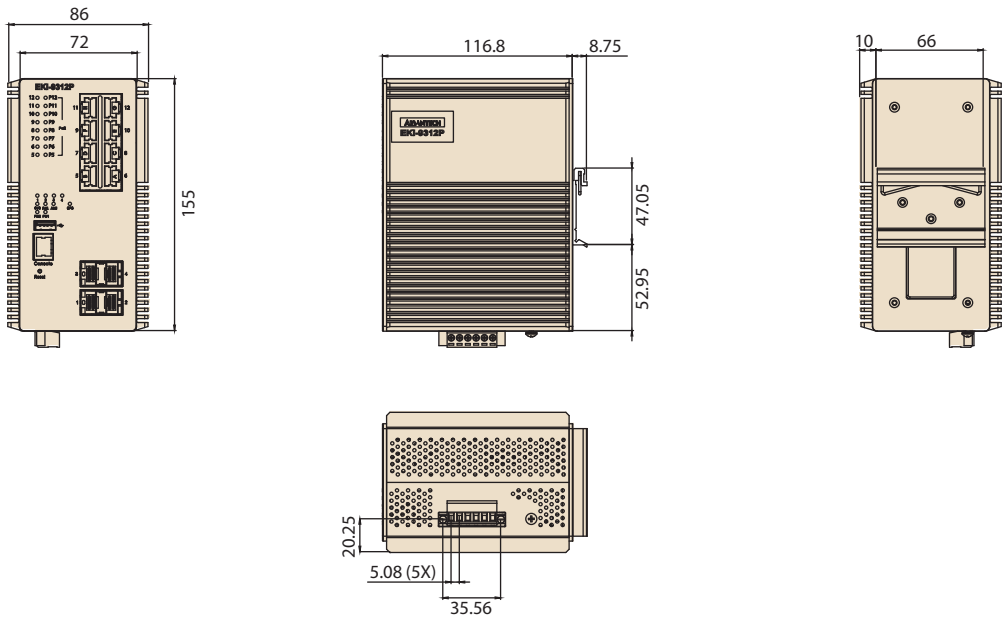
Specifications Cont.

QoS	Priority Queue Scheduling	WRR (Weighted Round Robin), SP (Strict Priority), Hybrid Priority
	Class of Service	IEEE 802.1p Based CoS, IP TOS, DSCP based CoS
	Rate Limiting	Ingress Rate limit, Egress Rate limit
	Link Aggregation	IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking
Security	Port Security	Static, Dynamic
	Authentication	802.1x (Port-Based, MAC-Based, MD5/TLS/TTLS/PEAP Encryption), RADUIS, TCACAS+
	ACL	1K rules
	Advanced Security	IP Source guard, ARP inspection, DHCP Snooping
Management	DHCP	Client, Server, Relay, Option66/67/82
	Access	SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB, Private MIB
	Security access	SSH2.0, SSL
	Software upgrade	TFTP, HTTP, Dual Image
	NTP	NTP client/server

* EN 60950-1 Shall be ready by 2014, December

Dimensions

Unit: mm



Ordering Information

Part number	Description	Product Status
EKI-9312-P0ID42E	Layer 2 Fastpath, 8xGbE 100/1000Base-T with PoE+ 4x GbE SFP w/ 48 V_{DC} Redundant Power Input	Mass Production

Contact our sales for more pricing & ordering information.