EKI-9316

Industrial-Class 16 Port Full Gigabit Managed DIN Rail Switch

NEW

Features

- All Gigabit connections support dual-ring protection and non-blocking traffic forwarding
- X-Ring+: recovery time within 10ms for 250 node connections
- STP, RSTP, MSTP for better redundancy
- Super security mechanism includes SSL,SSH, 802.1X, MAC, IP filtering, RADIUS, TACACS+, VLAN for access protection
- Dual power input, dual image for system reliability
- Operating temperature: -40 ~ 75° C

FC CE

Introduction

The EKI-9316 Gigabit Managed Ethernet Switches are designed for rigorous mission critical applications, such as factory automation, ITS, and process control. The 4 Gigabit Ethernet ports allow great flexibility to build up a Gigabit redundant ring and a Gigabit uplink.

The EKI-9316 are equipped with 12 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-9316 are designed especially for communication demanding applications, such as video and process monitoring, or intelligent transportation systems, all of which can benefit from a scalable backbone construction.

Specifications

Interface	I/O Port	12 x 10/100/1000Base-T/TX RJ-45 4 x 1000 BASE-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 (W x H x D)	86 x 165 x 125 (mm)
LED Display	System LED	PWR1, PWR2, SYS, CFG, Alarm and R.M.
	Port LED	Link / Speed / Activity
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)
	Power Input	24/48 V_{DC} dual inputs
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+

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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

Dimensions

Unit: mm
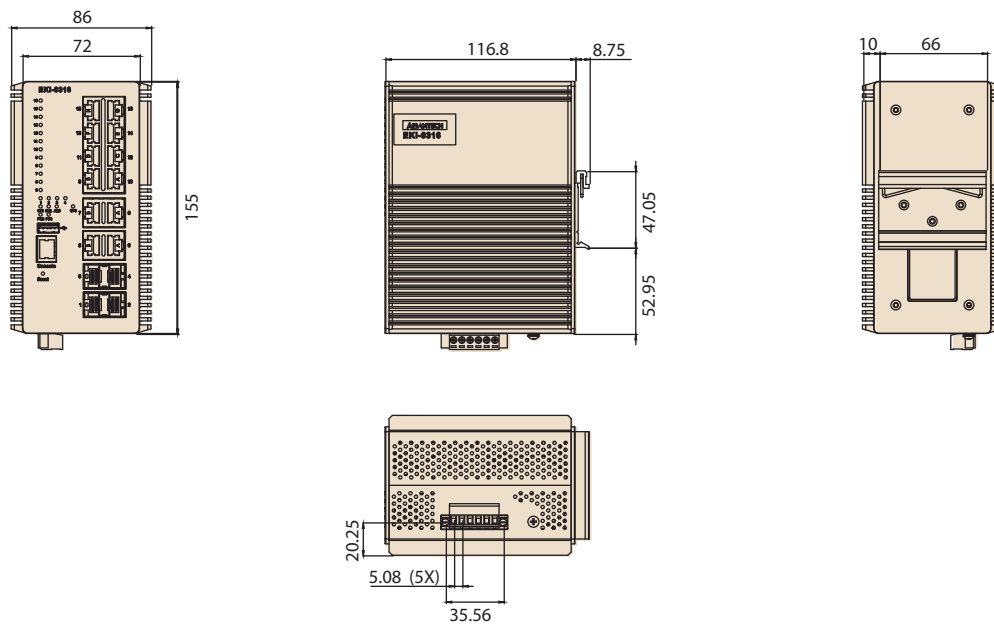
Ordering Information

Part number	Description	Product Status
EKI-9316-C0ID42E	Layer 2 Fastpath, 12xGbE 100/1000Base-T + 4x GbE SFP w/ 24/48 DVC Redundant Power Input	Mass Production

Contact our sales for more pricing & ordering information.