EKI-9312

Industrial-Class 12 Port Full Gigabit Managed DIN Rail Switch



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



Introduction

The EKI-9312 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.

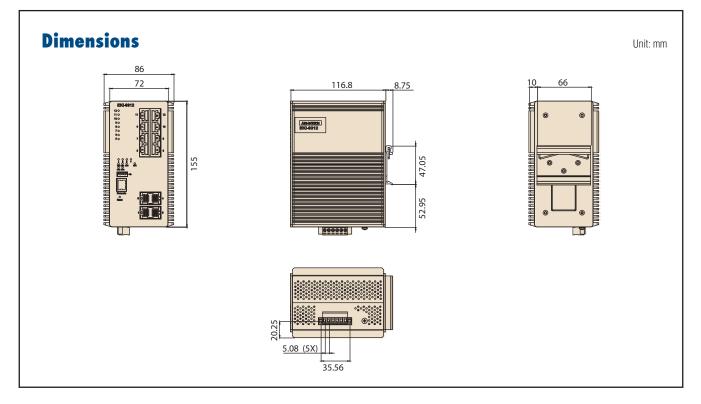
The EKI-9312 are equipped with 8 Gigabit Ethernet ports and up to 4 fiber optic ports, making them ideal for upgrading an existing network to Gigabit speed or building a new, full Gigabit network. The X-Ring+ with RSTP, STP and MSTP support, increases system reliability and the availability of your network. The EKI-9312 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

InterfaceV0 Port8 x 10/100/1008ase-TX R1-45InterfaceConsole portR1-45FW backup portUSBPower ConnectorG-pin screw Terminal Block (including relay)PhysicalEnclosureAluminum ShellPhysicalProtection ClassIP 30Intersol (W X H x D)86 x 165 x 125 (mm)Dimensions (W x H x D)86 x 165 x 125 (mm)LED DisplayPort LEDUink Speed (Activity)Port LEDCorage Temperature-40 - 75° CCorage Temperature-40 - 75° CCAmbient Relative Humidity10 - 95% (non-condensing)Humidity10 - 95% (non-condensing)Humidity10 - 95% (non-condensing)Humidity10 - 95% (non-condensing)Power Input2448 V _X dual inputsPower Input2448 V _X dual inputsSelefulUicosoo Cito2Ethic (Corage Temperature)-40 - 62° CFreifalEthio100-6-4; Ethio100-6-4; Ethio100-4-4 (ESD) Level 3 Ethio100-4-4 (Magnetic Field) Level 4Power Input2448 V _X dual inputsCertificationEthio100-6-4; Ethio100-6-2; Ethio100-4-4 (CS) Level 3 Ethio100-4-4 (Magnetic Field) Level 4Ethio100Ethio100-6-4; Ethio100-6-2; Ethio100-4-4 (CS) Level 3 Ethio100-4-4 (Magnetic Field) Level 4LED Corage Temperature-40 - 65° CAdvaluesEthio100-6-4; Ethio100-6-4; Ethio100-6-4; Ethio100-4-4 (CS) Level 3 Ethio100-4-4 (Magnetic Field) Level 4Ethio100Ethio100-6-4; Ethio100-6-4; Ethio100-6-4; Ethio100-6-4; Ethio100-6-4; Ethio100-6-4; Ethio100-6-4; Ethio100-6-4; Ethio100-6-4; Ethio10			
F/W backup port USB Power Connector 6-pin screw Terminal Blok (including relay) Physical FacIosure Physical Protection Class Installation DIN Rail Dimensions (W x H x D) 86 x 165 x 125 (mm) LED Display System LED Port LED Link / Speed / Activity Operating Temperature -40 - 85° C Ambient Relative Humidity 10 - 95% (non-condensing) Power Power Consumption Power Tomsumption -21.82 Watts (System) Power Input 24/48 Vm, dual inputs Safety UL60950 C1D2 EtNI Ec Colose 2-32 Vibration Vibration IEC 60068-2-32 Freefail IEC 60068-2-32 Freefail IEC 60068-2-32 Vibration IEC 60068-2-32 Freefail IEC 60068-2-32 Vibration IEC 60068-2-32		I/O Port	
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) System LED PWR1, PWR2, SYS, CFG, Alarm and R.M. Port LED Link / Speed / Activity Operating Temperature -40 - 75° C Storage Temperature -40 - 85° C Ambient Relative Humidity 10 - 95% (non-condensing) Kore Consumption -21.82 Watts (System) Power Consumption -21.82 Watts (System) Folder EMIC E.FoC Class A Safety UL60950 C1D2 EMC Elec 60068-2-82 Vibration IEC 60068-2-82	Interface	Console port	RJ-45
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. Operating Temperature -40 - 75° C Storage Temperature -40 - 85° C Ambient Relative Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (con-condensing) Power Onsumption ~ 21.82 Watts (System) Power Input 24/48 V _{ac} dual inputs EMI CEFC Class A Safety UL60950 C1D2 EMC EN61000-4-4; (Surge) Level 4; EN61000-4-3 (RS) Level 3; EN61000-4-4 (EFT) Level 4 EN61000-4-5; (Surge) Level 4; EN61000-4-8 (Magnetic Field) Level 4 Shock IEC 60068-2-32 Vibration IEC 60068-2-6 L2 MACA Address 16K Jumbo Frame 12KB<		F/W backup port	USB
Physical Protection Class IP 30 Installation DIN Rail DIN Rail Dimensions (W x H x D) 86 x 165 x 125 (mm) System LED PWR1, PWR2, SYS, CFG, Alarm and R.M. Port LED Link / Speed / Activity Operating Temperature -40 - 75° C Ambient Relative Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Power Consumption -21.82 Watts (System) Power Consumption -21.82 Watts (System) Power Input 24/48 Vm clual inputs EMI CE, FCC Class A Sately UL60950 C1D2 EMI CE, FCC Class A Sately UL60950 C1D2 EMI CE 60068-2-27 Freefall IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-6 Jumbo Frame 12KB VLAN Group Mac Loased VLAN, Protocol based VLAN, Port based VLAN, Q-in-Q (VLAN Stacking), GVRP VLAN Arrange Mac Loased VLAN, Protocol based VLAN, IP subnet based VLAN, Port based		Power Connector	6-pin screw Terminal Block (including relay)
Physical Installation DIN Rail Dimensions (W x H x D) 86 x 165 x 125 (nm) System LED PWR1, PWR2, SYS, CFG, Alarm and R.M. Port LED Link / Speed / Activity Operating Temperature -40 - 75° C Strage Temperature -40 - 85° C Ambient Relative Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Power Power Consumption Power Consumption -21.82 Watts (System) Power Input 24/48 V _{sc} dual inputs Safety UL60950 C1D2 EMI CE, FCC Class A Safety UL60950 C1D2 Excol Excolore-2-27 Freefall IEC 60068-2-27 Freefall IEC 60068-2-26 Vibration IEC 60068-2-32 Vibration IEC 60068-2-6 L2 MAC Address 16K Jumb Frame 12KB VLAN Group 4K (VLAN ID 1-4094) VLAN Group Mac based VLAN, Protocol based VLAN, Port based VLAN, O-in-Q (VLAN Stackin		Enclosure	Aluminum Shell
Instalation Diff Hall 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 Operating Temperature -40 - 75° C Ambient Relative Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Power Power Consumption Power Consumption -21.82 Watts (System) Power One Input 24/48 V _{cc} dual inputs Power Input 24/48 V _{cc} dual inputs 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 Freetall IEC 60068-2-26 Vibration IEC 60068-2-66 VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (VLAN ID 1-4094) VLAN Arrange GVRP Por	Physical	Protection Class	
LED Display System LED PWR1, PWR2, SYS, CFG, Alarm and R.M. Port LED Link / Speed / Activity 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 Power Input 24/48 Vnc dual inputs 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 EN61000-6-4; EN61000-6-2; EN61000-4-2 (ESD) 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 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, Q-in-Q (VLAN Stacking), GVP Port Mirroring Per port, Multi-source port, RSAPN, IP Multicast IGMP Snooping v1/v2/v3, MLD Snooping v1/M2/v3, MLD Snooping v1/mediate leave	T Hysioai		
LED Display Port LED Link / Speed / Activity Port LED Operating Temperature -40 ~ 75° C Ambient Relative Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Power Power Consumption ~ 21.82 Watts (System) Power Input 24/48 Vnc. dual inputs Entification EMI CE, FCC Class A Safety UL60950 C1D2 EMC 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; EN61000-4-3 (RS) Level 3; EN61000-4-4 (EFT) Evel 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 60068-2-6 L2 Features 24 MA Address Jumbo Frame 12KB VLAN Arrange Mac based VLAN, Protocol 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		1 <i>i</i>	
Point LED Link / Speed / Activity Operating Temperature -40 ~ 75° C Storage Temperature -40 ~ 75° C Ambient Relative Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Power Power Consumption Power Input 24/48 V _{Ic} dual inputs Power Input 24/48 V _{Ic} dual inputs EMI CE, FCC Class A Safety UL60950 C1D2 EMC EN61000-6-4; 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 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-32 VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (VLAN ID 1-4094) VLAN Arrange Mac based VLAN, Protocol based VLAN, IP subnet based VLAN, Q-in-Q (VLAN Stacking), GVP Port Mirroring Per port, Multi-source port, RSAPN, IP subnet based VLAN, Q-in-Q (VLAN Stacking), GVP	LED Display	,	
Environment Storage Temperature -40 - 85° C Ambient Relative Humidity 10 - 95% (non-condensing) -40 - 85° (non-condensing) Humidity 10 - 95% (non-condensing) -40 - 85° (non-condensing) Power Power Consumption - 21.82 Watts (System) Power Input 24/48 V _{hrc} dual inputs 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; EN61000-4-3 (RS) Level 4; EN61000-4-3 (RS) Level 3; EN61000-4-3 (RS) Level 4; EN6100-4-3 (RS) Level 4; EN61000-4-3 (RS) Level 4; EN61000-4-3 (RS) Level 4; EN6100, RS) Level 4; EN6100-4-3 (
Environment 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 EMI CE, FCC Class A Safety UL60950 C1D2 EMIC EN61000-6-2; EN61000-6-2; EN61000-4-2 (ESD) Level 4 EN61000-4-3 (RS) Level 3; EN61000-4-4 (EFT) Level 4 EN61000-6-4; EN61000-6-2; EN61000-4-6 (CS) Level 3 EN61000-4-8 (Magnetic Field) Level 4 Shock IEC 60068-2-27 Freetal IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-6 Vibration IEC 60068-2-6 Vibration IEC 60068-2-6 VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (VLAN ID 1-4094) VLAN Arrange Mac based VLAN, Protocol based VLAN, Port based VLAN, Q-in-Q (VLAN Stacking), GVRP Port Mirroring Per port, Multi-source port, RSAPN, IP Multicast IGMP Snooping			
Ambient Relative Humidity 10 - 95% (non-condensing) Humidity 10 - 95% (non-condensing) Power Power Consumption ~ 21.82 Watts (System) Power Input 24/48 Vnc dual inputs 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 MAC Address 16K Jumbo Frame 12KB VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (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	Environment		
Power Power Input - 21.82 Watts (System) Power Input 24/48 V _{nc} dual inputs 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 Vibration IEC 60068-2-32 Vibration IEC 60068-2-6 L2 MAC Address 16K Jumbo Frame VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (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 IP Multicast IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave Storm Control Broadcast, Multicast, Unknown unicast	LINNOILIGH		
Power Input24/48 Vnc dual inputsEMICE, FCC Class ASafetyUL60950 C1D2EMCEN61000-6-4; 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 4ShockIEC 60068-2-27FreefallIEC 60068-2-32VibrationIEC 60068-2-6L2 MAC Address16K Jumbo FrameJumbo Frame12KBVLAN Group4K (VLAN ID 1-4094)VLAN ArrangeMac based VLAN, IP subnet based VLAN, Port based VLAN, Q-in-Q (VLAN Stacking), GVRPPort MirroringPer port, Multi-source port, RSAPN, IP MulticastIP MulticastIGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave Storm Control			
Power Input24/48 Vpc dual inputsEMICE, FCC Class ASafetyUL60950 C1D2EMCEN61000-6-4; 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 4ShockIEC 60068-2-27FreefallIEC 60068-2-32VibrationIEC 60068-2-6VibrationIEC 60068-2-6VLAN Group4K (VLAN ID 1-4094)VLAN Group4K (VLAN ID 1-4094)VLAN GroupMac based VLAN, Protocol based VLAN, IP subnet based VLAN, Port based VLAN, Q-in-Q (VLAN Stacking), GVRPPort MirroringPer port, Multi-source port, RSAPN, IP MulticastIP MulticastIGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave Storm ControlBroadcast, Multicast, Unknown unicastBroadcast, Multicast, Unknown unicast	Power		
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 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		· · · · · · · · · · · · · · · · · · ·	
Certification EMC EN61000-6-4; 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 MAC Address 16K Jumbo Frame 12KB VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (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 IP Multicast IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave Storm Control Broadcast, Multicast, Unknown unicast		EMI	CE, FCC Class A
Certification EMC 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 MAC Address 16K Jumbo Frame 12KB VLAN Group 4K (VLAN ID 1-4094) VLAN Group 4K (VLAN ID 1-4094) VLAN Arrange Mac based VLAN, Protocol based VLAN, IP subnet 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		Safety	UL60950 C1D2
Freefall IEC 60068-2-32 Vibration IEC 60068-2-6 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	Certification	EMC	
Vibration IEC 60068-2-6 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		Shock	IEC 60068-2-27
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		Freefall	IEC 60068-2-32
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		Vibration	IEC 60068-2-6
L2 Features 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		L2 MAC Address	
L2 Features 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		Jumbo Frame	
L2 Features GVRA Arrange 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	L2 Features	VLAN Group	
IP Multicast IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave Storm Control Broadcast, Multicast, Unknown unicast		VLAN Arrange	
Storm Control Broadcast, Multicast, Unknown unicast		Port Mirroring	
Spanning Tree IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring+			
		Spanning Tree	IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring+

Specifications Cont.

	Priority Queue Scheduling	WRR (Weighted Round Robin), SP (Strict Priority), Hybrid Priority
0.00	Class of Service	IEEE 802.1p Based CoS, IP TOS, DSCP based CoS
QoS	Rate Limiting	Ingress Rate limit, Egress Rate limit
	Link Aggregation	IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking
	Port Security	Static, Dynamic
Security	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
	DHCP	Client, Server, Relay, Option66/67/82
Management	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



Ordering Information

	Part number	Description		
	EKI-9312-COID42E	Layer 2 Fastpath, 8xGbE 100/1000Base-T + 4x GbE SFP w/ 24/48 DVC Redundant Power Input		
Contact our cales for more pricing & ordering information				

Product Status Mass Production

Contact our sales for more pricing $\&\ {\rm ordering}\ {\rm information}.$