

Industrial Gateways

Intelligent Gateways



Model		ECU-1152	ECU-1051	ECU-1251	ECU-1251D	ECU-1251 V2	ECU-1252
System	CPU	Arm® Cortex™ A8 800MHz	Arm® Cortex™ A8 600MHz	Arm® Cortex™ A8 800MHz	Arm® Cortex™ A8 600MHz	Arm® Cortex™ A8 600MHz	Arm® Cortex™ A9 600MHz
Memory		512MB DDR3L	256MB DDR3L	256MB DDR3L	256MB DDR3L	2GB DDR3L	2GB DDR3L
System Storage		4GB micro SD card	512MB NAND flash	4GB micro SD card	512G NAND flash	16GB eMMC	16G eMMC
Serial Port	Number of Ports	6	2	4	2	4	2
	Type	RS-232/485	RS-232/485	RS-232/485	RS-232/485	RS-232/485	RS-232/485
CAN Port	Number of Ports	-	-	-	-	-	2
AI/O	Number of Ports	-	-	-	-	-	-
DI/O	Number of Ports	-	-	-	4DI/4DO	-	-
Network Port	Number of Channels	2	2	2	2	2	2
	Speed	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100/1000 Mbps
USB		1	1 (ECU-1051TL-R10AB)	1	-	1	-
HDMI		-	-	-	-	-	-
TPM2.0		-	-	-	-	TPM2.0	-
Wireless Expansion	SIM Card Slots	1	2	1	2	1	1
	Expansion Slots	1 x mini-PCIe	1 x mini-PCIe	1 x mini-PCIe	1 x mini-PCIe	1 x mini-PCIe	1 x mini-PCIe
Storage Expansion		1 x micro SD slot	1 x micro SD slot	1 x micro SD slot	1 x micro SD slot	1 x micro SD slot	1 x micro SD slot
LED Indicators		PWR/Serial/Prog/LAN	PWR/Serial/Prog/LAN	PWR/Serial/Prog/LAN	PWR/Serial/Prog/LAN	PWR/Serial/Prog/LAN	PWR/Serial/Prog/LAN
EdgeLink	Communication Protocols	OPC UA Client & Server, BACNet/IP Client & Server, Modbus RTU/TCP, IEC 60870-5-101, IEC 60870-5-103, IEC 60870-5-104, DNP3, IEC 61850					
	Cloud Communication	MQTT, EdgeHub, AWS, Azure, LwM2M, Google Cloud IoT Core and more					
	PLC Support	Siemens/ Allen-Bradley/ Schneider/ Mitsubishi/ Omron/ Honeywell/ Yokogawa/ Delta/ Panasonic and more					
	VPN Client	OpenVPN					
	Data Logger	Realtime data logger					
Operating System		RT-Linux	RT-Linux	RT-Linux	RT-Linux	RT-Linux	RT-Linux
Operating Temperature		-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)
Certification		CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC
Dimension W x H x D (mm)		190 x 110 x 36.4 mm	30 x 93 x 93.4 mm	30 x 140 x 95 mm	30 x 140 x 95 mm	30 x 140 x 95 mm	30 x 140 x 95 mm
Power Requirement		10-30Vdc	10-30Vdc	10-36Vdc	10-30Vdc	10-30Vdc	10-30Vdc
Power Consumption		2.4W @24Vdc	2.4W @24Vdc	2.4W @24Vdc	2.4W @24Vdc	2.4W @24Vdc	2.4W @24Vdc

✓ : supported, - : not supported, △ : optional

Intelligent Gateways



Model		ECU-1260	ECU-150	ECU-1270	ECU-1170	ECU-1370
System	CPU	Arm® Cortex™ A35 Quad-core, 1G	Arm® Cortex™ A53, NXP i.MX8M Quad-Core, 1.3G	Arm® Cortex™ A53, TI AM6734 Quad-Core, 1.4G	Arm® Cortex™ A55, Rockchip RK3568J Quad-core, 1.4G	Arm® Cortex™ A53, NXP i.MX8M Quad-Core, 1.3G
Memory		2GB DDR3L	2GB/4GB LPDDR4	2GB/4GB LPDDR4	4GB LPDDR4	4GB LPDDR4
System Storage		16GB eMMC	16GB/32GB eMMC	32GB eMMC	32GB eMMC	32GB eMMC
Serial Port	Number of Ports	3	2	2	8	1
	Type	RS-232/485	RS-232/485	RS-232/485	RS-232/485	RS-485
CAN Port	Number of Ports	1	–	△	2	1
AI/O	Number of Ports	–	–	–	2AI	–
DI/O	Number of Ports	–	–	△	20DI/6DO/8Relay	24DI/6Relay
Network Port	Number of Channels	2	2	2	4	3
	Speed	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
USB		–	1	1	2	2
HDMI		–	△	△	1	–
TPM2.0		–	TPM2.0	△	△	△
Wireless Expansion	SIM Card Slots	1	1	1	2	–
	Expansion Slots	1 x mini-PCIe	1 x mini-PCIe	1 x mini-PCIe, 1 x M.2 E key	1 x mini-PCIe, 1 x M.2 B key	–
Storage Expansion		1 x micro SD slot	1 x micro SD slot	1 x micro SD slot	1 x micro SD slot	1 x micro SD slot
LED Indicators		PWR/Serial/Prog/LAN	PWR/Serial/Prog/LAN	PWR/Prog/LAN	PWR/Prog/LAN	PWR/Serial/Prog/LAN
EdgeLink	Communication Protocols	OPC UA Client & Server, BACNet/IP Client & Server, Modbus RTU/TCP, IEC 60870-5-101, IEC 60870-5-103, IEC 60870-5-104, DNP3, IEC 61850				–
	Cloud Communication	MQTT, EdgeHub, AWS, Azure, LwM2M, Google Cloud IoT Core and more				–
	PLC Support	Siemens/ Allen-Bradley/ Schneider/ Mitsubishi/ Omron/ Honeywell/ Yokogawa/ Delta/ Panasonic and more				–
	VPN Client	OpenVPN				–
	Data Logger	Realtime data logger				–
Operating System		Yocto	Yocto/Ubuntu	Yocto/Ubuntu	Yocto/Ubuntu	Ubuntu
Operating Temperature		-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 80°C (-40 ~ 176°F)
Certification		CE/FCC	CE/FCC/UL	CE/FCC/UL	CE/FCC/UL	CE/FCC/UL
Dimension W x H x D (mm)		30 x 140 x 96.5 mm	30 x 100 x 93 mm	32 x 140 x 93 mm	183 x 108 x 44 mm	65.7 x 140 x 93 mm
Power Requirement		10-30Vdc	10-30Vdc	10-36Vdc	10-30Vdc	10-30Vdc
Power Consumption		2.4W @24Vdc	6.3W @24Vdc	6.5W @24Vdc	6.5W @24Vdc	6.8W @24Vdc

✓ : supported, - : not supported, △ : optional

Industrial Gateways

I/O Device Gateways



Model		ADAM-3600
Description		Intelligent RTU
System	CPU	Cortex A8
	Operating system	Linux RT 3.12
	Programming interface	C (Linux), IEC-61131-3
	Communication protocols	Modbus/RTU, Modbus/TCP, DNP3, IEC-60970-104, OPCUA
	Wireless communication	Cellular, Wi-Fi, Zigbee
Serial Port	Number of ports	3
	Type	1 x RS-232/485, 2 x RS-485
Network Port	Number of channels	2
	Number of independent IP addresses	2
	Speed	10/100 Mbps
	IP specifications	IPv4/IPv6
I/O	Onboard I/O	8 analog inputs, 8 digital inputs, 4 digital outputs
	Expansion slots	4
USB	USB2.0	1
Display Interface	VGA	1
	LED	System, serial, Ethernet, digital I/O, programmable
Storage Interface	SD	1 x SD slot
Operating Temperature		-40~70°C
Certification		CE/FCC
Part Number		ADAM-3600-C2GL1A1E

✓ : supported, - : not supported, △ : optional

Model	Category	Channel	Part Number
ADAM-3617	Analog input module	4	ADAM-3617-AE
ADAM-3618	Analog input module	4, thermocouple	ADAM-3618-AE
ADAM-3624	Analog output module	4	ADAM-3624-AE
ADAM-3651	Digital input module	8	ADAM-3651-AE
ADAM-3656	Digital output module	8	ADAM-3656-AE
ADAM-3613	Analog input module	4, RTD	ADAM-3613-AE
ADAM-3668	Relay Module	4	ADAM-3668-AE

Analog Input	
Signal Input	Differential
Sampling Rate	10 Hz
Voltage Input	±10 V, ±2.5 V
Input Current	0~20 mA, 4~20 mA
Sensor Input	Thermocouple (type J, K, T, E, R, S, B) RTD (Pt100, Pt1000, Balco 500, Ni 518)
Resolution	16-bit

Analog Output	
Output Voltage	0~10 V
Output Current	0~20 mA, 4~20 mA
Resolution	12-bit

Digital Input	
Input Type	Sink
Rated Voltage	12/24 V _{DC}
Logic "0" Voltage	0~5 V _{DC}
Logic "1" Voltage	11~30 V _{DC}

Digital Output	
Output Type	Open collect
Output Voltage	8~30 V _{DC} @ max 200 mA

✓ : supported, - : not supported, △ : optional

I/O Device Gateways



Model		ADAM-6750	ADAM-6717	ADAM-6760D
CPU		ARM Cortex-A8 32-Bit 1GHz		
Memory		NAND flash 512MB		
RAM		DDR3L 512MB		
External Storage		microSD (Optional)		
Programming		Node-Red (Graphic programming environment based on Javascript), Linux C		
Operation Temperature		-40 ~ 70°C		
Interface	RS-485	2	2	2
	LAN	2	2	2
	USB	1 x USB type A, 1 x Micro USB		
Digital Input	Channel	12	5	8
	Type	Dry contact Logic 0: open Logic 1: closed to GND Wet contact logic 0: 0 ~ 3 VDC or floating logic 1: 10 ~ 30 VDC Support DO type: Sink (NPN) and Source (PNP)		
	Counter Input	3kHz	-	3kHz
Digital Output	Channel	12	4	-
	Voltage	Sink 30 VDC, 0.1A max. per channel	Sink 30 VDC, 0.1A max. per channel	-
	Pulse Output	3kHz	-	-
Analog Input	Channel	-	8	-
	Resolution	-	16bits	-
	Sampling Rate	-	10 or 100 samples/second (total)	-
Relay Output	Channel	-	-	8
	Contact Rating (Resistive Load)	-	-	30 VDC @ 1 A
Dimensions (W x L x H)		70 x 122 x 38 mm		

✓ : supported, - : not supported, △ : optional



Model		ADAM-6715	ADAM-6718	ADAM-6724
CPU		ARM Cortex-A8 32-Bit 1GHz		
Memory		NAND flash 512MB		
RAM		DDR3L 512MB		
External Storage		microSD (Optional)		
Programming		Node-Red (Graphic programming environment based on Javascript), Linux C		
Operation Temperature		-40 ~ 70°C		
Interface	RS-485	2	2	2
	LAN	2	2	2
	USB	1 x USB type A, 1 x Micro USB		
Digital Input	Channel	4	4	5
	Type	Dry contact Logic 0: open Logic 1: closed to GND Wet contact logic 0: 0 ~ 3 VDC or floating logic 1: 10 ~ 30 VDC Support DO type: Sink (NPN) and Source (PNP)		
	Counter Input	-	-	-
Digital Output	Channel	4	7	6
	Voltage	Sink 30 VDC, 0.1A max. per channel		
	Pulse Output	3kHz	-	-
RTD	Channel	6 (PT100, PT1000)	-	-
Thermocouple	Channel	-	7 (J, K, T, E, R, S, B type)	-
Analog Output	Channel	-	-	3
	Type	-	-	Voltage, Current
Analog Input	Channel	-	-	3
	Type	-	-	Voltage, Current
Dimensions (W x L x H)		70 x 122 x 38 mm		

✓ : supported, - : not supported, △ : optional

Industrial Gateways

Modbus and Fieldbus Gateways



Model Name		EKI-1211	EKI-1221/I/CI	EKI-1222/I/CI	EKI-1224/I/CI	EKI-1242/EIMS
Description		1-Port Modbus Gateway	1-Port Modbus Gateway	2-Port Modbus Gateway	4-Port Modbus Gateway	Industrial Fieldbus Gateway
Connectivity	10/100Base-TX, Fixed	1	2	2	2	4
	10/100/1000Based-T, Fixed	-	-	-	-	-
	RS-232 only	-	-	-	-	-
	RS-232/422/485	1	1	2	4 (CI model: RS-422/485)	2
Serial Connector Type		DB9 Male	DB9 Male (CI model: DB9 Male and Terminal Block)	DB9 Male (CI model: DB9 Male and Terminal Block)	DB9 Male	DB9 male
Enclosure & Mount kit	Enclosure	IP30	IP30	IP30	IP30	IP30
	DIN-rail	✓	✓	✓	✓	✓
	Wall	✓	✓	✓	✓	✓
Power	Power Input (V _{DC})	9-36V	2* (12-48V)	2* (12-48V)	2* (12-48V)	12-48V
	Power Connector	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block
	Power Consumption (12/24/48V _{DC}) Watts	1W	3.2W	3.2W	4.1W	5.2W
Environment	Operating Temp.	-40 ~ 75°C	-10 ~ 60°C (CI & I models: -40 ~ 80°C)	-10 ~ 60°C (CI & I models: -40 ~ 80°C)	-10 ~ 60°C (CI & I models: -40 ~ 80°C)	-40 ~ 75 °C
	Operating Humidity	10 ~ 95%	10 ~ 95%	10 ~ 95%	10 ~ 95%	10-95%
	Input Reverse Protection					✓
Software	Network Protocol	Modbus RTU, Modbus TCP, Modbus ASCII	Modbus RTU, Modbus TCP, Modbus ASCII	Modbus RTU, Modbus TCP, Modbus ASCII	Modbus RTU, Modbus TCP, Modbus ASCII	Modbus RTU/TCP, EtherNet/IP, PROFINET, OPC UA
	Configuration Options	Windows Utility, Web-based	Windows Utility, Web-based	Windows Utility, Web-based	Windows Utility, Web-based	Web-based
	Standard Operating Mode	Modbus RTU Client/Server mode Modbus ASCII Client/Server mode	Modbus RTU Client/Server mode Modbus ASCII Client/Server mode	Modbus RTU Client/Server mode Modbus ASCII Client/Server mode	Modbus RTU Client/Server mode Modbus ASCII Client/Server mode	ModbusRTU/TCP Client Ethernet/IP Adapter PROFINET IO-Device OPC UA Server
Security	Authentication	-	LDAP RADIUS Local Management	LDAP RADIUS Local Management	LDAP RADIUS Local Management	Username/Password
	Security Protocols	-	HTTPS SSH	HTTPS SSH	HTTPS SSH	HTTPS
Certification	Regulatory Approvals	CE, FCC, UL 62368-1	CE, FCC, UL 62368-1, CB, ATEX, C1D2	CE, FCC, UL 62368-1, CB, ATEX, C1D2	CE, FCC, UL 62368-1, CB, ATEX, C1D2	CE, FCC, UL 60950-1, CB

✓ : supported, - : not supported, △ : optional

SFP Modules

The small form-factor pluggable (SFP) is a hot-swappable optical module transceiver in a compact size and a variety of transmitter and receiver specifications for data communications. They are used for when a transmission service is needed between points further than 100 meters beyond where traditional copper cables can reach, SFP modules can easily overcome these problems.



Industrial Grade 1.25 Gbps SFP Modules w/ DDM

Model Name	Part Number	Optical Mode	Fiber Cable Type	Typical Distance	Optical Connector	Sensitivity (dB)	Operating Temp.	DDM	TX Range (nm)	RX Range (nm)	TX Range (dBm)	RX Range (dBm)	Link budget (dBm)	Dispersion Penalty (dB)
SFP-GMM-550	Multi-mode	OM1/OM2	550 m	Duplex LC	-17	-40 to +85 °C (-40 to +185 °F)	Yes	850	830 ~ 860	770 ~ 860	-9.5~-4	-3~-17	7.5	NA
SFP-GMM-2K	Multi-mode	Multi-Mode	2 km	Duplex LC	-21			1310	1260 ~ 1355	1260 ~ 1620	-10~-1	-3~-21	11	3
SFP-GSM-20K	Single-mode	G.652	20 km	Duplex LC	-23			1310	1285 ~ 1343	1260 ~ 1620	-8~-2	-3~-23	15	NA
SFP-GSM3-40K	Single-mode	G.652	40 km	Duplex LC	-24			1310	1290 ~ 1355	1260 ~ 1620	-2~+3	-3~-24	22	3
SFP-GSS-40KTX-LC	Bi-Directional	G.652	40 km	Simplex LC	-23			1310 Tx / 1550 Rx	1270 ~ 1355	1470 ~ 1600	-3~+2	-3~-23	20	3
SFP-GSS-40KRXL-C	Bi-Directional	G.652	40 km	Simplex LC	-23			1550 Tx / 1310 Rx	1530 ~ 1570	1260 ~ 1360	-5~+0	-3~-23	18	3
SFP-GSS-20KTX	Bi-Directional	G.652	20 km	Simplex SC	-23			1310 Tx / 1550 Rx	1270 ~ 1355	1480 ~ 1600	-8~-2	-3~-23	15	3
SFP-GSS-20KRXL	Bi-Directional	G.652	20 km	Simplex SC	-23			1550 Tx / 1310 Rx	1510 ~ 1570	1250 ~ 1380	-8~-2	-3~-23	15	3
SFP-GSS-40KTX	Bi-Directional	G.652	40 km	Simplex SC	-23			1310 Tx / 1550 Rx	1270 ~ 1355	1480 ~ 1600	-3~+2	-3~-23	20	3
SFP-GSS-40KRXL	Bi-Directional	G.652	40 km	Simplex SC	-23			1550 Tx / 1310 Rx	1510 ~ 1570	1250 ~ 1380	-3~+2	-3~-23	20	3

Industrial Grade 100-155 Mbps SFP Modules w/ DDM

Model Name	Part Number	Optical Mode	Fiber Cable Type	Typical Distance	Optical Connector	Sensitivity (dB)	Operating Temp.	DDM	TX Range (nm)	RX Range (nm)	TX Range (dBm)	RX Range (dBm)	Link budget (dBm)	Dispersion Penalty (dB)
SFP-FSM-20K	Single-mode	G.652	20 km	Duplex LC	-35	-40 to +85 °C (-40 to +185 °F)	Yes	1310	1280 ~ 1340	1260 ~ 1620	-15~-8	-3~-35	20	3
SFP-FSM-40K	Single-mode	G.652	40 km	Duplex LC	-36			1310	1280 ~ 1340	1260 ~ 1620	-5~+0	-3~-36	31	3
SFP-FSS-20KTX	Bi-Directional	G.652	20 km	Simplex SC	-32			1310 Tx / 1550 Rx	1261 ~ 1360	1480 ~ 1600	-14~-8	0~-32	18	NA
SFP-FSS-20KRXL	Bi-Directional	G.652	20 km	Simplex SC	-32			1550 Tx / 1310 Rx	1480 ~ 1576	1260 ~ 1360	-14~-8	0~-32	18	NA
SFP-FSS-40KTX	Bi-Directional	G.652	40 km	Simplex SC	-34			1310 Tx / 1550 Rx	1280 ~ 1340	1480 ~ 1600	-5~+0	-3~-34	29	3
SFP-FSS-40KRXL	Bi-Directional	G.652	40 km	Simplex SC	-34			1550 Tx / 1310 Rx	1480 ~ 1580	1250 ~ 1360	-5~+0	-3~-34	29	3

10 Gbps SFP+ & XFP Modules w/ DDM

Model Name	Part Number	Optical Mode	Fiber Cable Type	Typical Distance	Optical Connector	Sensitivity (dB)	Operating Temp.	DDM	TX Range (nm)	RX Range (nm)	TX Range (dBm)	RX Range (dBm)	Link budget (dBm)	Dispersion Penalty (dB)
SFP-XSS-10KTX-LC	Bi-Directional	G.652	10 km	Simplex LC	-14.4	0 to +70 °C (+32 to +158 °F)	Yes	1270 Tx / 1330 Rx	1260 ~ 1280	1320 ~ 1340	-6~+1	0.5~-14.4	8.4	3.2
SFP-XSS-10KRXL-C	Bi-Directional	G.652	10 km	Simplex LC	-14.4			1330 Tx / 1270 Rx	1320 ~ 1340	1260 ~ 1280	-6~+1	0.5~-14.4	8.4	3.2
SFP-XSS-40KTX-LC	Bi-Directional	G.652	40 km	Simplex LC	-15.5			1270 Tx / 1330 Rx	1260 ~ 1280	1320 ~ 1340	+0.5~+5	0.5~-15.5	16	3.2
SFP-XSS-40KRXL-C	Bi-Directional	G.652	40 km	Simplex LC	-15.5			1330 Tx / 1270 Rx	1320 ~ 1340	1260 ~ 1280	+0.5~+5	0.5~-15.5	16	3.2

SFP Modules

Industrial Grade 10 Gbps SFP+ & XFP Modules w/ DDM

Model Name	Part Number	Optical Mode	Fiber Cable Type	Typical Distance	Optical Connector	Sensitivity (dB)	Operating Temp.	DDM	TX Range (nm)	RX Range (nm)	TX Range (dBm)	RX Range (dBm)	Link budget (dBm)	Dispersion Penalty (dB)
SFP-XMM-LCI-400	Multi-mode	OM3	400 m	Duplex LC	-11.1	-40 to +85 °C (-40 to +185 °F)	Yes	850	840 ~ 860	840 ~ 860	-7.3~-1	-0.1~-9.9	2.6	NA
SFP-XSM-LCI-10K	Single-mode	G.652	10 km	Duplex LC	-12.6			1310	1260 ~ 1355	1260 ~ 1355	-8.2~+0.5	0.5~-14.4	6.2	NA
SFP-XSM-LCI-20K	Single-mode	G.652	20 km	Duplex LC	-12.6			1310	1260 ~ 1355	1260 ~ 1355	-5~+0.5	0.5~-14.4	9.4	NA
SFP-XSM5-LCI-40K	Single-mode	G.652	40 km	Duplex LC	-16			1550	1530 ~ 1565	1260 ~ 1620	-4.7~+4	0.5~-16	11.3	3
SFP-XSM-LCI-80K	Single-mode	G.652	80 km	Single LC	-23			1550	1530 ~ 1565	1260 ~ 1620	+0~+4	-7~-23	23	3

Copper SFP Modules

Model Name	Part Number	Optical Mode	Fiber Cable Type	Typical Distance	Optical Connector	Sensitivity (dB)	Operating Temp.	DDM	TX Range (nm)	RX Range (nm)	TX Range (dBm)	RX Range (dBm)	Link budget (dBm)	Dispersion Penalty (dB)
SFP-10GTX	-	-	100 m	RJ45	-	0 to +70 °C (+32 to +158 °F)	-	-	-	-	-	-	-	-

Media Converters with PoE



Description		EKI-2741FPI	EKI-2742FPI	EKI-2741FHPI
Connectivity	10/100/1000Base-T PoE, Fixed	1	2	1
	Open SFP slot (GbE)	1	1	1
	Auto MDI/MDI-X	✓	✓	✓
	Auto Negotiation	✓	✓	✓
	Store-and-Forward Switching	✓	✓	✓
	Link Fault Pass-Through (LFP)	✓	-	✓
	MTBF	743,594Hrs	717,339Hrs	730,083Hrs
Traffic Control	Jumbo frame size	10Kbytes	10Kbytes	10Kbytes
	IEEE 802.3x flow control	✓	✓	✓
Physical	Housing Dimensions (W x H x D) mm	36.7 x 108.4 x 103.5 mm	36.7 x 108.4 x 103.5 mm	36.7 x 108.4 x 103.5 mm
	Mounting Type	DIN-Rail/Wall mount	DIN-Rail/Wall mount	DIN-Rail/Wall mount
	IP rating	IP31	IP31	IP31
Power	Power Input voltage	24-48Vdc	24-48Vdc	48Vdc
	Power Consumption	34W	63.5W	63.5W
	Reverse protection	✓	✓	✓
Certification	UL508	✓	✓	✓
	UL-C1D2	✓	✓	✓
	FCC	✓	✓	✓
	CE	✓	✓	✓

✓ : supported, - : not supported, △ : optional

Extenders



Model name	IMC-150LI	IMC-150LPI	IMC-150LPC-M	IMC-150LPC-R
Standard	IEEE802.3 IEEE802.3u IEEE802.3x	IEEE802.3 IEEE802.3u IEEE802.3x IEEE802.3at/af	IEEE802.3 IEEE802.3u IEEE802.3x IEEE802.2at/af	IEEE802.3 IEEE802.3u IEEE802.3x IEEE802.3at/af
RJ45 Port Interface	2	2	1	1
Transmission Distance	up to 800 meter	Up to 800 meter	Up to 1KM	Up to 1KM
RJ45 w/ PoE Quantity	1	1	1	1
PoE output power	-	Max. 30W	Max. 30W	Max. 30W
Packet Buffer Size	-	-	-	-
Switch Fabric Speed	up to 100Mbps	up to 100Mbps	up to 100Mbps	up to 100Mbps
Jumbo Frame	-	-	-	-
Dimensions (W x H x D)	92.58x21.08x98.04 mm (3.65x0.83x3.86 in)	92.58 x21.08 x98.04 mm (3.65x 0.83x 3.86 in)	84x80x25 mm (3.3x3.15x0.984 in)	84x80x25 mm (3.3x3.15x0.984 in)
IP Grade	IP30	IP30	IP30	IP30
Enclosure	-	-	-	-
Weight	400g	400g	400g	400g
Mounting Type	Din-Rail, Wall	Din-Rail, Wall	Wall	Wall
Operating Temperature	-40 ~ 75°C	-40 ~ 75°C	-40 ~ 75°C	-40 ~ 75°C
Storage Temperature	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C
Relative Humidity (Non-condensing)	-	-	-	-
Time	-	-	-	-
Method	-	-	-	-
Operating Voltage	-	-	-	-
Power Consumption	2.401W	33W	23.5W	-
Connectors	3	2	2	2
Safety	LVD EN62368	LVD EN62368	LVD EN62368	LVD EN62368
EMC	✓	✓	✓	✓
EMI	✓	✓	✓	✓
EMS	✓	✓	✓	✓
Shock	✓	✓	✓	✓
Freefall	✓	✓	✓	✓
Vibration	✓	✓	✓	✓
Warranty Period	5	5	5	5

✓ : supported, - : not supported, △ : optional

PoE Injectors



Description		EKI-2701HPI	EKI-2701HP-AC	EKI-2701MPI-5G
Connectivity	10/100/1000Based-Tx, fixed	1	1	1
	10/100/1000Base-T PoE, Fixed	1	1	1 (multi data rate 10M / 100M / 1G / 2.5G / 5G)
	Auto Negotiation	-	✓	✓
	Store-and-Forward Switching	-	✓	✓
	MTBF	1419817Hrs	1,999,263 Hrs	-
Physical	Housing Dimensions (W x H x D) mm	30x140x95 mm	65x36x140 mm	84x80x25 mm
	Mounting Type	DIN-Rail/Wall mount	Desktop	DIN-Rail/Wall mount
	IP rating	IP30	N/A	IP30
Power	Power Input voltage	24 - 48V _{dc}	100 - 240V _{dc}	54 - 57V _{dc}
	Power Consumption	33.36W	<36W	Max 92W
	Reverse protection	✓	-	✓
Certification	UL60950-1	-	UL62368	UL62368
	FCC	✓	✓	✓
	CE	✓	✓	✓

✓ : supported, - : not supported, △ : optional

PoE Splitters



Description		EKI-2701PSI	EKI-2711PSI	EKI-2711MPSI
Connectivity	10/100/1000Based-Tx, Fixed	1	1	-
	10/100/1000Base-T PoE, Fixed	1	1	-
	10/100/1000Based/2.5G -Tx, Fixed	-	-	1
	10/100/1000Base-T/2.5G PoE, Fixed	-	-	1
	Auto Negotiation	-	-	-
	Store-and-Forward Switching	-	-	-
	MTBF	-	-	-
Physical	Housing Dimensions (W x H x D) mm	30x40x95 mm	30x140x95 mm	42x140x95 mm
	Mounting Type	DIN-rail/Wall mount	DIN-rail/Wall mount	DIN-rail/Wall mount
	IP rating	IP30	IP30	IP30
Power	Power Output voltage	44~57V _{dc}	44~57V _{dc}	12/24V _{dc} by DIP switch
	Power Consumption	12.95 W @24 V _{dc}	25W @24 V _{dc}	70W @12/24 V _{dc}
	Reverse protection	Power isolation & short circuit protection	✓	✓
Certification	UL60950-1	✓	-	-
	UL508	-	-	-
	LVD EN62368	-	✓	✓
	FCC	✓	✓	✓
	CE	✓	✓	✓

✓ : supported, - : not supported, △ : optional