

産業用プロトコルゲートウェイ



Model Name		☞ EKI-1242EIMS/ IEIMS	☞ EKI-1242PNMS/ IPNMS	☞ EKI-1242ECMS/ IECMS	☞ EKI-1242BNMS/ IBNMS	☞ EKI-1242NR/INR	☞ EKI-1242OUMS/ IQUMS
Description		Modbus RTU/TCP to EtherNet/IP Fieldbus gateway	ModbusRTU/TCP to PROFINET Fieldbus gateway	ModbusRTU/TCP to EtherCAT Fieldbus gateway	ModbusRTU/TCP to BACnet Fieldbus gateway	Node-RED Fieldbus Gateway	Modbus TCP/RTU to OPC UA Fieldbus Gateway
通信 ポート	10/100Base-TX, Fixed	4	4	4	4	4	4
	10/100/1000Base-T, Fixed	-	-	-	-	-	-
	RS-232 only	-	-	-	-	-	-
	RS-232/422/485	2	2	2	2	2	2
	Serial Connector Type	DB9 male	DB9 male	DB9 male	DB9 male	DB9 male	DB9 male
動作 モード	Mobility/Roaming	-	-	-	-	-	-
	Multi-Hopping	-	-	-	-	-	-
	AP/CPE	-	-	-	-	-	-
筐体 取付	Enclosure	IP30	IP30	IP30	IP30	IP30	IP30
	DIN-rail	✓	✓	✓	✓	✓	✓
	Wall	✓	✓	✓	✓	✓	✓
	VESA Mount	-	-	-	-	-	-
	Pole Mount	-	-	-	-	-	-
電源	Power Input (Voc)	(12~48V)	(12~48V)	(12~48V)	(12~48V)	12~48V	12~48V
	Power input (PoE)	-	-	-	-	--	--
	Power connector	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block
	Power Consumption (12/24/48VDC) Watts	5.2W	5.2W	5.2W	5.2W	5.2W	5.2W
耐環境	Operating Temp.	-10~60°C	-10~60°C	-10~60°C	-10~60°C	-10~60°C	-10~60°C
	Operating Humidity	10~95%	10~95%	10~95%	10~95%	10~95%	10~95%
	Input Reverse Protection	✓	✓	✓	✓	✓	✓
ソフト ウェア	Network Protocol	Modbus RTU/TCP EtherNet/IP	Modbus RTU/TCP PROFINET	Modbus RTU/TCP EtherCAT	Modbus RTU/TCP BACnet	Node-RED	Modbus RTU/TCP, OPC UA
	Firewall	-	-	-	-	-	-
	Router	-	-	-	-	-	-
	Configuration Options	Web-based	Web-based	Web-based	Web-based	Web-base	Web-base
	Authentication	Username/Password	Username/Password	Username/Password	Username/Password	Username/ password	Username/ password
	Standard Operation mode	ModbusRTU/TCP Master Ethernet/IP Adapter	ModbusRTU/TCP Master PROFINET Slave	ModbusRTU/TCP Master EtherCAT Slave	ModbusRTU/TCP Master BACNet Slave	-	-
WLAN	IEEE Standard	-	-	-	-	-	-
	Radio Number	-	-	-	-	-	-
	Security	-	-	-	-	-	-
RF	MIMO	-	-	-	-	-	-
	Maximum Transmit Output Power	-	-	-	-	-	-
	Receive Sensitivity	-	-	-	-	-	-
セルラー	Antenna Connector	-	-	-	-	-	-
	Standard	-	-	-	-	-	-
	Five-band Options UMTS	-	-	-	-	-	-
	Quad-band Options EDGE/GSM	-	-	-	-	-	-
	Certification (GCF, PTCRB)	-	-	-	-	-	-
認証	UL60950-1	✓	✓	✓	✓	✓	✓
	EN60950-1	-	-	-	-	-	-
	CE (EN55022 class A, EN55024)	✓	✓	✓	✓	✓	✓
	FCC (part 15 subpart B class A)	✓	✓	✓	✓	✓	✓
	Hazardous Location (Class 1, Division 2)	-	-	-	-	-	-
	Radio (EN 301 489-1/- 4, EN 301 511)	-	-	-	-	-	-
	Radio (FCC part 22H, part 24E)	-	-	-	-	-	-
認	EN 50155	-	-	-	-	-	-

✓: サポート -: 非サポート, △: オプション

Modbus ゲートウェイ/ルーター



Model Name		EKI-1221/C/I/R EKI-1222/C/I/R EKI-1224/C/I/R
Description		1/2/4-Port Modbus Gateway
通信ポート	10/100Base-TX, Fixed	2
	10/100/1000Base-T, Fixed	-
	RS-232 only	-
	RS-232/422/485	1/2/4 (CI version: RS-422/485)
	Serial Connector Type	DB9 Male
動作モード	Mobility/Roaming	-
	Multi-Hopping	-
	AP/CPE	-
筐体	Enclosure	IP30
	DIN-rail	✓
	Wall	✓
	VESA Mount	-
取付	Pole Mount	-
	Power Input (V _{oc})	2* (12~48V)
電源	Power Input (PoE)	-
	Power Connector	Terminal block
	Power Consumption (12/24/48V _{oc}) Watts	5.2W (EKI-1221/1222) 6.3W (EKI-1224)
	Operating Temp.	EKI-1221/EKI-1222/ EKI-1224: -10 ~ 60°C 'CI & I' models: -40 ~ 70°C
耐環境	Operating Humidity	5 ~ 95%
	Input Reverse Protection	-
	Network Protocol	Modbus RTU, Modbus TCP, Modbus ASCII
WLAN	Firewall	-
	Router	-
	Configuration Options	Windows Utility, Web Browser
	Authentication	-
WLAN	Standard Operating Mode	Modbus RTU Master/ Slave mode Modbus ASCII Master/ Slave mode
	IEEE Standard	-
	Radio Number	-
	Security	-
RF	MIMO	-
	Maximum Transmit Output Power	-
	Receive Sensitivity	-
	Antenna Connector	-
セルラー	Standard	-
	Five-band Options UMTS	-
	Quad-band Options EDGE/GSM	-
	Certification (GCF, PTCRB)	-
認証	UL60950-1	✓
	EN60950-1	-
	CE (EN55022 class A, EN55024)	✓
	FCC (part 15 subpart B class A)	✓
	Hazardous Location (Class I, Division 2)	✓
	Radio (EN 301 489-1/-4, EN 301 511)	-
	Radio (FCC part 22H, part 24E)	-
	EN 50155	-

✓: サポート - : 非サポート, △: オプション

シリアルデバイスサーバ



Model Name		 EKI-1511L	 EKI-1521/C/I  EKI-1522/C/I  EKI-1524/C/I	 EKI-1528I-DR  EKI-1528CI-DR	 EKI-1528I/TI  EKI-1526I/TI	 ADAM-4571/L  ADAM-4570/L
Description		1 port RS-232 Serial Device Server	1/2/4-port RS-232/422/485 Serial Device Server	8-port RS-232/422/485 Device Server 8-port RS-422/485 Device Server	8/16-port RS-232/422/485 Serial Device Server	1/2-port RS-232/422/485 Serial Device Server
通信ポート	10/100Base-TX, Fixed	1	2	2	-	1
	10/100/1000Based-T, Fixed	-	-	-	2	-
	RS-232 only	✓	-	-	-	ADAM-4571L/4570L: 1/2
	RS-232/422/485	-	1/2/4 (EKI-1524: RS-422/485)	8	8/16	ADAM-4571/4570: 1/2
	Serial Connector Type	DB9 Male	DB9 Male	DB9 Male	DB9 male	ADAM-4571/L: DB9 Male ADAM-4570/L: 10-pin RJ48 ABS+PC with solid mounting hardware
筐体 取付	Enclosure	IP30	IP30	IP30	SECC chassis	-
	DIN-rail	✓	✓	✓	Rackmount	✓
	Wall	✓	✓	✓	-	✓
	VESA Mount Pole Mount	-	-	-	-	-
電源	Power Input (V _{oc})	9~36V	2* (12~48V)	2* (12~48V)	EKI-1528(I)/ EKI-1526(I): 100 ~ 240 V _{AC} , 50 ~ 60 Hz EKI-1528T(I)/ EKI-1526T(I): 12 ~ 48 V _{oc} , Terminal Block	(10~30V)
	Power Input (PoE)	--	-	-	-	-
	Power Connector	Terminal block	Terminal block	Terminal block	6-pin removable screw terminal	Terminal block
	Power Consumption (12/24/48V _{oc}) Watts	1W	5.2 W (EKI-1521/ EKI-1522) 6.3 W (EKI-1524)	5 W (EKI-1528I) 6 W (EKI-1528CI)	5.6 W	2.5 W
耐環境	Operating Temp.	-10 ~ 60°C	EKI-1521/ EKI-1522/ EKI-1524: -10 ~ 60°C 'CI & I' models: -40 ~ 80°C	-40 ~ 70°C	-10 ~ 60°C (14 ~ 140°F) 'I' Model: -40 ~ 75°C (-40 ~ 167°F)	-10 ~ 60°C
	Operating Humidity	10~95%	10 ~ 95%	10 ~ 95%	10 ~ 95%	5 ~ 95%
	Input Reverse Protection	-	-	-	-	-
ソフトウェア	Network Protocol	ARP, ICMP, IPv4, TCP, UDP, BOOTP, DHCP Client, Auto IP, Telnet, SNMP, HTTP, DNS, SMTP	ARP, ICMP, IPv4, TCP, UDP, BOOTP, DHCP Client, Auto IP, Telnet, SNMP, HTTP, DNS, SMTP, NTP	ARP, ICMP, IPv4, TCP, UDP, BOOTP, DHCP Client, Auto IP, Telnet, SNMP, HTTP, DNS, SMTP, NTP	ARP, ICMP, IPv4, TCP, UDP, BOOTP, DHCP Client, Auto IP, Telnet, SNMP, HTTP, DNS, SMTP, NTP	ARP, ICMP, IPv4, TCP, UDP, BOOTP, DHCP Client, Auto IP, Telnet, SNMP, HTTP, DNS, SMTP
	Firewall	-	-	-	-	-
	Router	-	-	-	-	-
	Configuration Options	Windows utility, Telnet console, Web Browser	Windows utility, Telnet console, Web Browser	Windows utility, Telnet console, Web Browser	Windows utility, Telnet console, Web Browser, serial console	Windows utility, Telnet console, Web Browser
	Authentication	--	-	-	-	-
	Standard Operating Mode	COM Port redirection (Virtual COM) TCP/UDP Server (Polling) Mode TCP/UDP Client (event handling) Mode Pair Connection (P2P) Mode	COM Port redirection (Virtual COM) TCP/UDP Server (Polling) Mode TCP/UDP Client (event handling) Mode Pair Connection (P2P) Mode RFC-2217 Mode	COM Port redirection (Virtual COM) TCP/UDP Server (Polling) Mode TCP/UDP Client (event handling) Mode Pair Connection (P2P) Mode RFC-2217 Mode	COM Port redirection (Virtual COM) TCP/UDP Server (Polling) Mode TCP/UDP Client (event handling) Mode Pair Connection (P2P) Mode RFC-2217 Mode	COM Port redirection (Virtual COM) TCP/UDP Server (Polling) Mode TCP/UDP Client (event handling) Mode Pair Connection (P2P) Mode
	UL60950-1	-	✓	✓	✓	-
	EN60950-1	-	-	-	-	-
CE(EN55022 class A, EN55024)	✓	✓	✓	✓	✓	
認証	FCC (part 15 subpart B class A)	✓	✓	✓	✓	✓
	Hazardous Location (Class I, Division 2)	-	✓	-	-	-
	Radio (EN 301 489-1/-4, EN 301 511)	-	-	-	-	-
	Radio (FCC part 22H, part 24E)	-	-	-	-	-
	EN 50155	-	-	-	-	-
	UL 1910	-	-	-	-	-