

# Industrial Ethernet Serial Device Servers Sell Sheet

## Ethernet Serial Device Servers

- Basic Serial to Ethernet connectivity
- Operation Temp: -10°C~ 60°C/**-40°C~ 75°C**
- RS-232/422/485, software selectable
- Operation Mode: Virtual COM/TCP&UDP/Pair Connection
- **Dual LAN port for redundancy (EKI version)**
- **Isolation and EMC Level 4 Protections.**
- CE/FCC/C1D2 (EKI version)

### Typical Usage:

- Stand-alone systems require the serial data through Ethernet.
- Ex: Machine automation, PLC connection.



## Modbus Gateway

- Basic Serial to Ethernet connectivity
- Operation Temp: -10°C~ 60°C/**-40°C~ 75°C**
- RS-232/422/485, software selectable
- Operation Mode: Virtual COM/TCP&UDP/Pair Connection
- **Dual LAN port for redundancy (EKI version)**
- **Isolation and EMC Level 4 Protections.**
- CE/FCC/C1D2 (EKI version)
- Modbus protocol compliant.

### Typical Usage:

- Stand-alone systems require the serial data through Ethernet.
- Ex: Machine automation, PLC connection.



Type	Model Name	Dual IP Setting	Copper RJ45	Serial Port - RJ45 or RJ48		Protection Added
			100/100Mbps	50bps ~ 921.6Kbps Note: any baud rate setting		
			100m	RS232	RS232/422/485	
Standard Serial Device Server	ADAM-4570-CE	-	1		1	
	ADAM-4570L-DE	-	1	1		
	ADAM-4571-CE	-	1		2	
	ADAM-4571L-DE	-	1	2		
	EKI-1521-BE	Yes	2		1	
	EKI-1521I-BE	Yes	2		1	Wide Temp
	EKI-1521CI-BE	Yes	2		1	Wide Temp + Isolation
	EKI-1522-BE	Yes	2		2	
	EKI-1522I-BE	Yes	2		2	Wide Temp
	EKI-1522CI-BE	Yes	2		2	Wide Temp + Isolation
	EKI-1524-BE	Yes	2		4	
	EKI-1524I-BE	Yes	2		4	Wide Temp
	EKI-1524CI-BE	Yes	2		4	Wide Temp + Isolation
	EKI-1528-BE	Yes	2		8	
	EKI-1528T-VDC-BE	Yes	2		8	
	EKI-1526-BE	Yes	2		16	
	EKI-1526T-VDC-BE	Yes	2		16	

### Notes:

L suffix = Low-cost version

D suffix = Daisy-Chain Connectivity

List Price = Advantech's Selling list price (Reference only, it's adjusted without notification)

Type	Model Name	Dual IP Setting	Copper RJ45	Serial Port - RJ45 or RJ48		Protection Added
			100/100Mbps 100m	50bps ~ 921.6Kbps Note: any baud rate setting		
				RS232	RS232/422/485	
Modbus Serial Device Server	ADAM-4572-CE	-	1		1	
	EKI-1221-BE	Yes	2		1	
	EKI-1221I-BE	Yes	2		1	Wide Temp
	EKI-1221CI-BE	Yes	2		1	Wide Temp + Isolation
	EKI-1221D-AE	-	2		1	
	EKI-1222-BE	Yes	2		2	
	EKI-1222I-BE	Yes	2		2	Wide Temp
	EKI-1222CI-BE	Yes	2		2	Wide Temp + Isolation
	EKI-1222D-AE	-	2		2	
	EKI-1224-BE	Yes	2		4	
	EKI-1224I-BE	Yes	2		4	Wide Temp
	EKI-1224CI-BE	Yes	2		4	Wide Temp + Isolation

### Wireless Serial Device Servers

- Standard Wireless – IEEE 802.11 b/g or b/g/n (EKI-136x series)
- Supports WEP, WPA and WPA2 security mechanism
- Operation Temp: -10°~ 60°C
- C1D2 / UL508 – Complaint
- Industrial Level ESD/EFT/Surge Protection



#### Typical Usage:

- Link any serial device to an IEEE 802.11 b/g/n network.
- Ex: Remotely Tank control/Factory Automation/ AGV (Automatic Guide Vehicle)

Type	Model Name	Total	Copper RJ45	Wireless	Serial Port - RJ45 or RJ48	
		Ports	10/100/1000Mbps 100m	RP-SMA (Female) Standard	50bps ~ 921.6Kbps Note: any baud rate setting	
					RS232	RS232/422/485
Wireless Serial Device Server	EKI-1351-AE	1		802.11 b/g		1
	EKI-1352-AE	2		802.11 b/g		2
	EKI-1361-AE	1	1	802.11 b/g/n		1
	EKI-1362-AE	2	1	802.11 b/g/n		2

## Serial to USB Converter

- Full compliance with USB V1.1 and V2.0 specifications (USB-Series)
- RS-232/422/485 port supported
- Plug & Play installation
- Hot swap function supported



### Typical Usage:

- Allows PC users to connect a serial device to a system that use a USB interface.

Type	Model Name	Total Ports	USB Port		Serial Port - RJ45 or RJ48	
			USB 1.1 Type B	USB 1.1/2.0 Type B	50bps ~ 921.6Kbps	
					RS232	RS232/422/485
Serial to USB Converter	USB-4604B-AE	4		1	4	
	USB-4604BM-AE	4		1		4

## Accessory Sell Sheet



Model Name		OPT1-DB9	OPT1A	OPT1D	OPT1I	OPT1J
Length		-	1 m	30 cm	1 m	30 cm
Communication Interfaces	Connector Type	DB9 Female	RJ48	RJ48	RJ45	RJ45
	Qty	1	1	1	1	1
	Connector Type	Terminal	DB9 Male	DB9 Male	DB9 Male	DB9 Male
	Qty	1	1	1	1	1
Where Used		EKI-1000 Series, ADAM-4570 Series	ADAM-4570, ADAM-4570L	ADAM-4570, ADAM-4570L	EKI-1526, EKI-1528	EKI-1526, EKI-1528

