

Industrial Wireless AP/CPE

Wireless Access Point/CPE



Model Name		EKI-6310GN	EKI-6311GN	EKI-6331AN	EKI-6340-1/2/3	EKI-6351-A
Description		IEEE802.11 b/g/n WiFi AP/CPE	IEEE 802.11 b/g/n Wi-Fi AP/CPE	IEEE 802.11 a/n Wi-Fi AP/CPE	IEEE 802.11 a/b/g/n Outdoor Multi-Radio Wi-Fi Mesh AP	IEEE 802.11 a/b/g/n Wi-Fi Mesh AP/Station
Interface	IEEE Standard	802.11b/g/n	802.11b/g/n	802.11a/n	802.11 a/b/g/n	802.11 a/b/g/n
	100Base-TX	v	v	v	v	v
	1000Base-TX	-	-	-	v	v
	Radio Number	1	1	1	1/2/3	1
RF	MIMO	1T1R	1T1R	2T2R	2T2R	2T2R
	Transmit Output Power	*	*	*	*	*
	Receive Sensitivity	*	*	*	*	*
Operating Mode	Mesh	-	-	-	v	v
	Mobility/Roaming	v	v	v	v	v
	Multi-Hopping	v	v	v	v	v
	AP/CPE	v	v	v	v	v
Power	PoE	802.3af	Passive 12 V	Passive 15 V	802.3at	802.3at
	Power Input Voltage	-	12 V _{DC}	15 V _{DC}	12 ~ 48 V _{DC}	12 ~ 48 V _{DC}
	Redundant DC Power Input	-	-	-	v	v
Mechanism	DIN-rail Mount	v	-	-	-	v
	Wall Mount	-	-	-	v	v
	VESA Mount	-	-	-	v	-
	Pole Mount	v	v	v	v	-
	IP Grade	IP66	IP55	IP55	IP67	IP30
Operating Temperature	-20 ~ 70°C (-4 ~ 158°F)	v	v	v	-	-
	-35 ~ 75°C (-31 ~ 167°F)	-	-	-	v	v
Certification	FCC	v	v	v	v	v
	CE	v	v	v	v	v
	EN50155	-	-	-	v	v

*Note: Transmit Output Power & Receive Sensitivity are specified on data sheet.

Accessories



Advantech P/N	ANT-1208-G2E	ANT-2209-G2E	ANT-2216-G2E	ANT-3215-G2E	ANT-1208-G5E	ANT-2218-G5E	ANT-3213-G5E
Frequency Range	2.4-2.5G	2.4-2.5G	2.4-2.5G	2.3-2.7G	4.9-5.35G	4.9-5.9G	4.9-5.9G
Antenna Type	Omni	Patch	Patch	Sector	Omni	Patch	Sector
Antenna Gain	8 dBi	9.5 dBi	16 dBi	15 dBi	8 dBi	18 dBi	13.5 dBi
Description	8 dBi 2.4G Omni Antenna	9.5 dBi 2.4G Patch Antenna	16 dBi 2.4G Patch Antenna	15 dBi 2.4G Sector Antenna	8dBi 5G Omni Antenna	18 dBi 5G Patch Antenna	13.5 dBi 5G Sector Antenna
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Polarization	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical
HPBW/Vertical	360/15	50/50	25/25	90/8	360/12	23/19	120/6
V.S.W.R.	2.0:1 (Max.)	1.5:1 (Max.)	1.5:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)
Power Handling	20 W (cw)	20 W (cw)	20 W (cw)	50 W (cw)	20 W (cw)	5 W (cw)	10 W (cw)
Connector	N-Jack	N-Jack	N-Jack	N-Jack	N-Jack	N-Jack	N-Jack
Operating temp.	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C
IP rating	IP55	N/A	IP57	IP55	IP55	IP55	IP55
Weight	0.34 kg	0.14 kg	1.5 kg	1 kg	0.28 kg	0.825 kg	0.55 kg



Advantech P/N	ANT-1205D-G25E	ANT-1210D-G25E	ANT-2215D-G25E	ANT-3215D-G25E	ANT-2216M-G2E	ANT-2216M-G5E	ANT-3214M-G2E	ANT-3215M-G5E
Frequency Range	2.4-5G; 5.1-5.9G	2.4-5G; 5.1-5.9G	2.4-5G; 5.1-5.9G	2.4-5G; 4.9-5.9G	2.3-2.7GHz	5.1-5.9G	2.4-2.5G	5.1-5.9G
Antenna Type	Omni	Omni	Patch	Sector	Patch	Patch	Sector	Sector
Antenna Gain	4/7 dBi	8/10 dBi	13.5/15.5 dBi	12/15 dBi	16 dBi	16 dBi	14 dBi	15 dBi
Description	4/7dBi Dual-Band Omni Antenna	8/10dBi Dual-Band Omni Antenna	13.5/15.5dBi Dual-Band Patch Antenna	12/15dBi Dual-Band Sector Antenna	16dBi 2.4G MIMO Patch Antenna	16dBi 5G MIMO Patch Antenna	14dBi 2.4G MIMO Sector Antenna	15dBi 5G MIMO Sector Antenna
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Polarization	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical/horizontal	Linear, vertical	Linear, vertical	Linear, vertical
HPBW/Vertical	360/30	360/13	30/30	70/18	25/25	19/21	90/13	90/8
V.S.W.R.	2.0:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)	2.0:1 (Max.)
Power Handling	2 W (cw)	5 W (cw)	10 W (cw)	10 W (cw)	6 W (cw)	6 W (cw)	10 W (cw)	6 W (cw)
Connector	N-Plug	N-Jack	N-Jack	N-Jack	N-Jack	N-Jack	N-Jack	N-Jack
Operating temp.	-40°C to +70°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C
IP rating	N/A	IP67	IP55	IP55	IP67	IP55	IP55	IP55
Weight	0.07 kg	0.394 kg	0.4 kg	0.462 kg	1.1 kg	0.8 kg	0.8 kg	1.4 kg

Industrial Wireless AP/CPE

Accessories



Advantech P/N	ANT-5115-AE	ANT-5130-AE	ANT-5210-AE	ANT-5230-AE	ANT-5260-AE	ANT-5290-AE
Description	1.5M N-Plug to SMA-Plug cable	3M N-Plug to SMA-Plug cable	1M N-Plug to N-Plug cable	3M N-Plug to N-Plug cable	6M N-Plug to N-Plug cable	9M N-Plug to N-Plug cable
Cable Type	ULA-168	ULA-168	ULA400	ULA400	ULA400	ULA400
VSWR	1.5 : 1 Max.@ DC ~ 3.0 GHz 2.0 : 1 Max.@ 3.0 ~ 6.0 GHz	1.5 : 1 Max.@ DC ~ 3.0 GHz 2.0 : 1 Max.@ 3.0 ~ 6.0 GHz	1.5 : 1 Max.@ DC ~ 6.0 GHz	1.5 : 1 Max.@ DC ~ 6.0 GHz	1.5 : 1 Max.@ DC ~ 6.0 GHz	1.5 : 1 Max.@ DC ~ 6.0 GHz
Insertion loss	2.0 dB Max.@ DC ~ 3.0 GHz 2.5 dB Max.@ 3.0 ~ 6.0 GHz	3.5 dB Max.@ DC ~ 3.0 GHz 4 dB Max.@ 3.0 ~ 6.0 GHz	0.7 dB Max.@ DC ~ 3 GHz 1.0 dB Max.@ 3 ~ 6.0 GHz	1.1 dB Max.@ DC ~ 3 GHz 1.6 dB Max.@ 3 ~ 6.0 GHz	1.8 dB Max.@ DC ~ 3 GHz 2.7 dB Max.@ 3 ~ 6.0 GHz	3.0 dB (Max.) @ DC ~ 3 GHz 4.0 dB (Max.) @ 3 ~ 6 GHz
Connector Type	N-plug to RP SMA-plug	N-plug to RP SMA-plug	N-plug to N-plug	N-plug to N-plug	N-plug to N-plug	N-plug to N-plug
Cable Length	1.5M	3M	1M	3M	6M	9M



Advantech P/N	ANT-5501-AE	ANT-5502-AE	ANT-5601-AE
Description	1KV Arurge Arrestor N-Jack to N-Jack	1KV Arurge Arrestor N-Plug to N-Jack	Bulkhead adapter N-Jack to N-Jack
Surge Protection	1KV	1KV	N/A
VSWR	1.25: 1 Max @ DC ~ 4GHz 1.45: 1 Max @ 4 ~ 6GHz	1.3: 1 Max @ DC ~ 4GHz 1.5: 1 Max @ 4 ~ 6GHz	1.2: 1 Max @ DC ~ 3GHz 1.4: 1 Max @ 3 ~ 6GHz
Insertion loss	0.8 dB	0.8 dB	N/A
Connector Type	N Jack to N Jack	N plug to N Jack	N-jack to N-jack

Serial Device Servers

Cellular IP Gateways (iGateways)

NEW



NEW



Model Name	EKI-1321	EKI-1322
Product Description	1-port RS-232/422/485 to GPRS IP Gateway	2-port RS-232/422/485 to GPRS IP Gateway
Cellular Interface	GSM/GPRS	GSM/GPRS
Quad-band Options	850/900/1800/1900 MHz	850/900/1800/1900 MHz
Antenna Connector Type	SMA female	SMA female
No. of Antenna connector	1	1
No. of Serial Ports	1	2
No. of Ethernet Ports	1	1
Ethernet Interface	10/100 Mbps	10/100 Mbps
Baud Rate	50 bps ~ 921.6 kbps, any baud rate setting	50 bps ~ 921.6 kbps, any baud rate setting
Operation Mode / Software Feature	VCOM, RVCOM, TCP Server/Client, UDP Server/Client, SMS Tunnel	VCOM, RVCOM, TCP Server/Client, UDP Server/Client, SMS Tunnel
Utility	Windows 2000/XP/Vista/7/8, Web Console	Windows 2000/XP/Vista/7/8, Web Console

Wireless Serial Device Servers

NEW



NEW



Model Name	EKI-1361	EKI-1362	EKI-1351	EKI-1352
Product Description	1-port RS-232/422/485 to 802.11b/g/n WLAN Serial Device Server	2-port RS-232/422/485 to 802.11b/g/n WLAN Serial Device Server	1-port RS-232/422/485 to 802.11b/g WLAN Serial Device Server	2-port RS-232/422/485 to 802.11b/g WLAN Serial Device Server
No. of Ethernet Port	1	1	-	-
No. of Serial Port	1	2	1	2
Ethernet Interface	10/100/1000 Mbps	10/100/1000 Mbps	-	-
WLAN	802.11b/g/n	802.11b/g/n	802.11b/g	802.11b/g
Antenna Connector Type	RP-SMA (female)	RP-SMA (female)	RP-SMA (female)	RP-SMA (female)
No. of Antenna connector	2	2	1	1
Serial Type	RS-232/422/485			
Connector	Ethernet	RJ45	RJ45	-
	Serial	DB9 Male	DB9 Male	DB9 Male
Baud Rate	50 bps ~ 921.6 kbps, any baud rate setting			
Operating Mode	VCOM, TCP Server/Client, UDP Server/Client, AT Command			
Driver	32-bit/64-bit Windows 2000/XP/Vista/7/8, Windows Server 2003/2008, Windows CE 5.0, and Linux			
Certification	CE, FCC, KCC, TELEC		Class I Division 2 Groups ABCD T4, UL/cUL 60950-1, FCC, CE	