



A5 E1 Wireless Transmission System



SKU: SILA5E1

■ Features

- IEEE802.11a
- 54Mbps
- OFDM
- Point to point
- Test Link
- WEB
- PoE
- SNMP
- IR2007 Compliant
- WEP, WPA, WPA2
- Metal case design for complete outdoor application
- Built-in lightning protector
- Isolated Outdoor cell and Indoor cell.

■ What is the A5 E1?

A5 E1 is a new high-speed wireless bridge integrated with 23dBi planar array antenna. Enabling companies and ISPs to bridge the gap between multiple buildings without incurring the expense of leased lines or fibre runs, A5 E1 offers fast return on investment while providing optimal network performance.

- Transmitting framed and non framed E1 signal through IP network.
- Isolated Outdoor cell and Indoor cell.
- Point to point transmitted voice.
- PoE for outdoor unit.
- General UTP Ethernet interface, 10M/100M auto-negotiation.
- High transmitting speed, low transmitting time delay.
- Optional output clock: internal clock, external clock, network adaptable clock or get the clock from the E1 input line.
- Network adaptable clock is stable, little jitter and float.
- Simple configuration.

■ The advantages of the A5 E1

- Stable and reliable network. Being Weatherproof and having a built-in Lightning Protector, the A5 E1 is perfectly designed to meet the needs of the harshest outdoor environments.
- Simple network structure. Easy to install. Power over Ethernet functionality requires only a single Ethernet cable between the LAN and the A5 E1 for sufficient power.

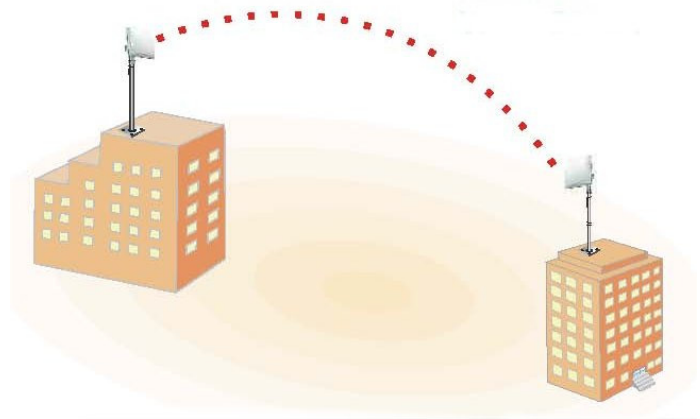
Contents

- A5 E1 *1
- Mounting brackets *1
- Product CD *1
- Power Adapter(48V) *1



RF Head Feature	
Auto rate select	54 48 36 24 18 12 9 6 Mbps
Bridge mode-PtP	Yes
Test Link	Yes
Link Status	Yes
Standards	IEEE802.11a IEEE802.3/u (10/100BaseTRJ-45) IEEE802.3af
Support protocol	TCP/IP IPX NETBEUI FTP
Security	
WEP Encryption	64 / 128 / 152 bits
Radius	Supported
802.1x	Supported
WPA	Supported
WPA-PSK (TKIP)	Supported
WPA2-PSK (AES)	Supported
Access Control	Supported
SSID Broadcast	Hidden AP
Client Separator	Supported
VLAN	Multi BSSID
Physical	
Antenna	23dBi (9° x 9°)
LAN/WAN	One 10/100BASE-T (RJ-45) LAN Port
Default button	Yes
Power	100-240VAC,50/60Hz,800mA 48VDC/750mA Compliant to IEEE802.3af
Channel (Country Dependent)	USA (FCC): 5.15GHz 5.35GHz; 5.725GHz~5.825GHz Europe (ETSI): 5.47GHz 5.850GHz China: 5.725GHz 5.85GHz
RF output power	(18dBm±2dBm) + 23dBi
Power Consumption	220mA(Typical) 48V
Sensitivity	-65dBm@54Mbps
Management	
WEB	Yes
Environment	
Operating Temperature	-5~60℃
Storage Temperature	-20~80℃
Humidity	5~95%

Power Source	
AC Power	Voltage range: 85V-265V Power consumption: <15W
DC Power	-36V~72V
10/100Base-T Ethernet	
Physical port type	RJ-45
Port rate	10/100Mbps
Working mode	Full semi-duplex, 10/100M auto negotiation supporting IEEE802.3
E1 electrical Port	
Spur track number	1~2
Physical port type	BNC coaxial jack
Input rate range	2.048Mbps±50ppm
Port code type	HDB3
Impedance	75Ω unbalanced Supporting: G.703
Environment	
Physical port type	Temperature operating range: 0~50 ℃ Relative humidity: 20~90%
Port rate	Environmental temperature: -20~65 ℃ Relative humidity: 10~95%



A5 Series Product Information

A5 23dBi Dual

Dual-RF Outdoor Access Point

◆ Integrated 23dB antenna and External port with N Type connector. Supports POE and 48V DC. Can work at 2.4 GHz and 5.8GHz simultaneously. SKU: SILA5D
SKU: SILA5E1

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