



Powerful Solutions

EagleEyes

Wireless LAN-Radio

SECURITY SOLUTIONS AND TECHNOLOGIES

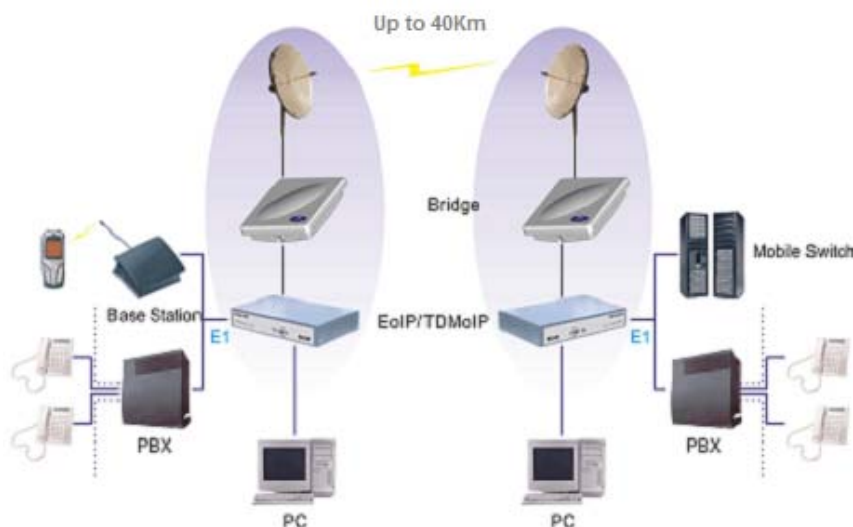
5.8GHZ 54Mbps Wireless AP Radio with TDMA

Features

- 802.11a Wi-Fi compliant
- Super mode to boost the data rate up to 108Mbps
- Long Range Connectivity up to 40Km
- Level 7 Waterproof
- Level 17 Beaufort Scale
- IP67 protection maintain components dry
- Support long distance P2P mode
- Support TDMA technology
- Support RS-232 interface for debug
- Support 64/128-bit WEP and 802.1X, WPA-PSK, WPA2-PSK and WPA-PSK&WPA2-PSK, etc
- Multiple operating modes including Base station, CPE, PTP and PTMP



EE-W3725-5-23 (With 23dB Antenna)
EE-W3725-5-E (No Antenna)



EE-W3725-5-23/E allows to be operated on bridge mode, providing great flexibility for system provider in various applications. Built-in Intel develop TDMA technology to be first releasing in the world. With a default 23dBi panel antenna, its wireless extensibility can reach at least 40km while ensures transmission quality. Additionally, EE-W3725-5-23/E provides network management tool for general network administrator and advanced user.

5.8GHz 54Mbps Wireless AP Radio with TDMA

Specifications

CPU	IXP425 ,533MHz
System Memory	16MB Flash
	32MB SDRAM (64MB upgradable)
Power	Power over Ethernet (Output 20Watts ,48V /0.4A)
Operating Frequency	FCC: 5.755~5.880 GHz auto adjust up to 100Mhz CE: 5.480~5.700 GHz, 5.690~5.755 GHz auto adjust to 100Mhz (Programmable for different country regulations)
RF Modulation	802.11a: OFDM (BPSK, QPSK, 16-QAm, 64QAM)
RF output power (Max. of Avg.)	25dBm at Radio for FCC (Band 4) 37dBm at EIRP (ETSI 301 893)
Throughput flow máx.	108Mbps (Max) / 54Mbps (Minimum)
Sensitivity	≤-90dBm @6Mbps ≤-73dBm @54Mbps
Channel Frequency	40/20/10/5 MHz (4 channels)
Regulation Compliance	FCC Part 15B Class A
	FCC Part 15C
	ETSI 301 893
	EN301 489-1/17 Class A
	EN60950 Class A

Features

Operation Mode	Base Station , CPE, PtP, P2MP
Security	WEP 64/128bits, WPA-PSK/WPA2-PSK, WPA/WPA-2, IP/MAC
Radio Bandwidth Control	5MHz/10MHz/20MHz/40MHz
Super A/G	Fast Frames, Burst, Compression
TDM Cordination	Traffic management
Intel® TDMA	For long distance transmission
Distance in Meters	Auto ACK-Time adjustment (Up to 40Km)
Wireless Isolation	YES
Management Statistics	Wireless and Ethernet
Link Test	Self-Wireless Connection test
Configuration & Management	Web-based Management (Secure SSL)
	Command Line Interface (SSH or RS-232 (9600))
	Windows-based Utility, SNMPv2
FW Upgrade	Web/Windows management tool



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5.8GHZ 54Mbps Wireless AP Radio with TDMA

Antenna	
Gain	23dBi (Default for FCC) EE-W3725-5-23
Frequency Range	5400~5850 MHz
HPBW (horizontal)	10°
HPBW (vertical)	10°
Dimensions	320×320×18mm
Physical & Interface	
Ethernet	10/100 Base T x1 Auto-sense, Negotiation
RS-232	YES
USB	N/A
Buzzer	Signal Indication
Reset Pin	Reset system to factory default
Enclosure & Environment	
External Antenna Connector	N-Type
Enclosure	IP-67 (Die-Casting), Level 7 Waterproof, Level 17 Beaufort Scale Vent design Antenna Flexibility, Support wind up to 190km/h
Mounting	Pole Mount (ADC-12 Aluminum alloy)
Temperature	-30 ~ 70°C, (Operating)
PCBA Dimensions	160 ×135 mm
Weight	2.4 Kg
Humidity	5~100%, (Operating)

