

Datasheet

5.8 GHz, 802.11 a/n, 300 Mbps Outdoor CPE



Outdoor PTP / CPE

- ▲ Upto 5 Kilometers Range
- ▲ Peak Bandwidth Delivery at ~70 Mbps without MIMO.
- ▲ Licensed and Unlicensed band options
- ▲ Wireless Bridges Pre-Integrated 18 dBi Panel Antennas
- ▲ Rain and Dust Proof IP67 rating enclosure
- ▲ Multiple Connection modes
- ▲ Frequency compatibility with leading outdoor AP vendors in CPE mode

PTP Connectivity Last Mile Connectivity Radio Information	Zero Touch Installation Software Information
Multiple Modes of operation: AP, Client, Bridge Physical Data Rates up to 300 Mbps Frequency Range: 5.825 ~ 5.875 GHz . Max Transmit Power for AP/CPE: 25 +/- 2dBm Peak Receiver Sensitivity: -92 dBm Real Outdoor Bandwidth Delivery at 2 km~ 70Mbps without MIMO	Support QoS functionality Supports both DHCP and Static IP Supports WEP, WPA and WPA2 (Radius) Encryption. Optional throttling of P2P traffic on CPEs Optional De-Prioritization of P2P traffic on APs HW Watchdog.

Accurate House, S No. 78/1, Dangat Industrial Estate, Shivne, Pune-411023, India

Contact No : 020-25291340

Website : www.accurateindustrialcontrols.in ; e-mail : sales@accurateindustrialcontrols.in

Model Number	A58-CPE23-ANT18					
CPU	Atheros					
Flash/RAM	8MB/32MB					
Interface	2 X RJ45 & 1 X Reset					
Output Power dBm	802.11a	6Mbps	27± 2		24Mbps	27 ± 2
		9Mbps	27± 2		36Mbps	25 ± 2
		12Mbps	27± 2		48Mbps	24 ± 2
		18Mbps	27± 2		54Mbps	23 ± 2
	802.11n	MCS0	27 ± 2			
		MCS3	27 ± 2			
		MCS6	27 ± 2			
		MCS9	27 ± 2			
		MCS12	26 ± 2			
	MCS15	23 ± 2				
	Sensitivity, dB	802.11a	6Mbps	-92		24Mbps
9Mbps			-89	36Mbps		-78
12Mbps			-86	48Mbps		-75
18Mbps			-83	54Mbps		-73
802.11n		MCS0	-94			
		MCS3	-87			
		MCS8	-93			
		MCS9	-91			
		MCS12	-82			
MCS15		-73				
Operation Mode		AP	Client	WISP	WDS Bridge	
Software	Site Survey, Bandwidth Control SNMP v1/v2 Support adjustable output power Distance Adjustment Radius (802.1x) client					
UART	Pin 1 : Vcc3.3v	Pin 2: UART RX	Pin 3 : UART TX	Pin 4 : GND		
Antenna	18 dbi-integrated with Enclosure tilting adjustment of 30 degree on each plane					
Power Supply	POE -18 Volts/1A					
Enclosure Details	IP 67, Dimension 220X200X50 mm With Pole, Tower and Wall Monting facility					

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