CPE MAX

2 x 2 MIMO, OFDM

IP 66/67 compliant enclosure
Telco grade, Long range
High Throughput 867 mbps
TDMA

Reliable, Intelligent, and High Performance Wireless Link

- **Operating Range more than 30 Kms**
- **867/300/150/100/10 mbps**
- 2X2 MIMO Spatial Diversity
- 5,10,20,40, 80 MHz channel bandwidth for efficient spectrum usage
- 5 MHz channel steps for more available channels.
- Operation modes**:** point to multipoint, multipoint to multipoint.
- Transmit power adjustment ATPC
- Traffic Control for each SSID
- Auto Channel Selection for noisy environment
- Rate Selection to disable low data rate access
- Channel accuracy ± 10 PPM
- Forward Error Correction FEC (1/2, 2/3, 3/4, 5/6)
- Adaptive modulation
- Remote management via HTTP, HTTPs, Secure SSH, Telnet, SSL,SNMP management v1/v2c/v3
- Config file backup and restore by TFTP, FTP, HTML
- Rich sys info –AP status, station status, event logs
- TDMA Sync GPS Sync based
- Specialized TDMA wireless protocol for co -location
- QOS Support
- Supports High packets per second(400000)
- MTU 2100
- IPv4 and IPv6 dual stack support
- VLAN IEEE 802.1Q, 802.1P, DiffServ and Qin Q Tagging/un Tagging



This product is equipped with high output power (configurable to max 30 dBm TX power reducible in steps of 1 dBm to maintain EIRP) TDMA radio that was created with a unique hardware design and coupled with a reliable, feature rich operating system. This device also has a robust, IP-67 compliant enclosure.

Its State of the art RF design with great output power and sensitivity parameters improve range and capacity over the highest modulation - 256 QAM. The option of Gigabit Ethernet port (802.3af) allows utilizing the full capacity of the base-station

The new CPE max devices are backwards compatible with Maksat CPE devices which helps to expand or upgrade existing networks with the latest technologies over time.

The software engine allows the Maksat CPE max to provide a user-friendly GUI with installation tools (Site survey, Antenna alignment, Delayed reboot, Spectrum analyzer), and is also compatible with Wireless Network Management System.

www.maksat.com

MAKSAT

CPE MAX

2 x 2 MIMO, TDMA, OFDM



Specifications

Standard	IEEE IEEE 802.3af/at* (PoE)/ Passive PoE 24v
Channel bandwidth	5/10/20/40/80 MHz (5 MHz steps)
Spectral efficiency	> 8.5 Bit / Hz /sec
Rx Receiver Senstivity	-92
Operation Mode Antenna	PTP PTMP MPTMP external / 24 dBi integrated dual polarized antenna
Frequency	5150 ~ 5250 GHz 5250 ~ 5350 GHz 5470 ~ 5725 GHz 5.725 ~ 5875 GHz
Modulation	OFDM (64-QAM, 16-QAM, QPSK, BPSK) (256-QAM, 64-QAM, 16-QAM,QPSK ,BPSK)
Tx power	configurable to max 30 dBm TX power reducible in steps of 1 dBm to maintain EIRP
Security	WEP 64/128-bits AES 128 (WPA/WPA2) WPA/WPA2 (PSK) over WDS AES 128 HTTPs, Secure SSH, Telnet, SSL remote management login Access control list RADIUS authentication MAC address filtering, radius authentication

RAS	2X2 MIMO Special Diversity
Duplex Tech	TDD
Bandwidth mngt	Symmetrical and Asymmetrical
Management	VLAN IEEE 802.1Q, 802.1P Qin Q Tagging/un Tagging Remote management via web based GUI,HTTP, HTTPs, Secure SSH Telnet, SSL,SNMP management v1/v2c/v3Configuration,Syslog, WNMS File backup and restore by TFTP or FTP, HTML Remote firmware upgrade over the air Software RESET to factory default
Signal Tool	Search available remote wireless signals and their strengths. Support setting of optimum pointing direction of antenna. graphic display of signal
Power	100 or 240 VAC, / 48V DC 50-60 Hz or 802.3af/at* PoE
Consumption	06 W
Operating temp	- 40°C ~ + 80°C
Storage Humidity	10% ~ 95% (Non-condensing)
Interface	10/100/1000** Base T RJ-45 Auto negociating IEEE 802.3u
Safety	WPC ETA, ETSI Ul 60950-1,UL 60950-22
Enclosure	IP 66 / 67 , IEC 61000-4-5
Dimension	160 mm x 160 mm x 80 mm
Weight	< 680 gms

* Ordering Options : Dual Band option also available
** Giga port is optional, 10/100 interface ordering option is also available

www.maksat.com

Information presented herein is based on data available, is subject to change without notice.
Copyright ©2016 MakSat Technologies (P) Ltd. All rights reserved.