Datasheet PTP-PV2-14

Outdoor PTP 100mm (4in) Wireless Radio

Product Overview

The Ketsen Mesh Radio Head delivers exceptional value for its cost, providing multi-gigabit wireless connections. In conjunction with the MBU, it offers speeds up to 2.5Gbps over impressive distances of nearly 1km, even in challenging rain environments (zone K). This next-generation radio head prioritizes ease of use alongside its impressive performance. With a simple plug-and-aim setup, you can establish a reliable multi-gigabit connection in minutes, all housed in a compact and discreet design.

60 GHz Radio	
Max Capacity	2600 Mb/s Aggregate 2300 Mb/s One way
Operating Modes	PTP: Station, Access Point (software configurable) PTMP: Station
TX Power	16dBm at BPSK 10dBm at 16QAM
Radio Sensitivity	-72dBm @ MCS 1 -56dBm @ MCS 12
Link Encryption	AES+GCMP
Frequency	57.24 GHz - 65.88 GHz
Channel Bandwidth	2.16 GHz Channels: 1-4 1.08 GHz Channels: 1-8
Antenna	5deg +/-4deg beam steering
Antenna Gain	33dBi
Antenna Polarization	Vertical or Horizontal
Duplex	TDD

Hardware	
Ethernet	1 x 2.5G (Nbase-T) Eth with PoE in
Mount	Pole mountable via L bracket assembly. 50mm pipe mount provided +/- 15º vertical aiming
Max Power Consumption	11W
Operating Temperature	-30°C - 60°C (-22ºF - 140°F)
IP Rating	IP65
Unit Dimensions	Height: 4.5" / 11.43cm Width: 4.5" / 11.43cm Depth: 4" / 10.16cm

Software	
Networking Mode	Transparent bridge
Bootbanks	Dual bootbanks
VLAN Passthrough	Yes
Network Protocol Support	IPv4 and IPv6
Management	HTTP/HTTPS, SSH, Cloud Agent (Linkview)
Tools	Device discovery, Site survey, Ping, Traceroute, Log, Speedtest
Services	NTP, DNS (IPv4 & IPv6), Device Discovery (LLDP, CDP, MNDP), Ping watchdog, SSH, Web Services, Cloud Agent

Certifications	
CE	EMC: EN 5032:2015/A1:2020/EN 55035:2017/A11:2020 EN 301 489-1v2.2.3(2019-11) EN 301 489-17 V3.2.4 (2020-09) RF: EN 303 722 V1.2.1 (2022-03) SAR Evaluate: EN 50385:2017 Safety: EN IEC 62368-1:2020+A11:2020 NB certify
UKCA	BS EN IEC 62368-1:2020+A11:2020 BS EN 5032:2015/A1:2020 BS EN 55035:2017/A11:2020 Other standards Base on CE UCKA AB certify
FCC	EMC:Part15B SDOC RF:Part15.255 ID SAR Evaluate: Part 2.1091
IC	Based on FCC ICES003 RSS210 ID