ePTMP Series

DESIGNED FOR

Last-Mile
Wireless to the Building

Video Surveillance
Wireless Camera Infrastructure

Hotspot
Public Access Wi-Fi

PWR LAN

MODEL:
ePTMP 5-15

SN:

ETH
MAC:

DC input:
24V passive PoE
FCC ID: V2V-DLB515
IC: 6607A-DLB515

FC CE ①

The ePTMP series is a line of PTP and PTMP base stations and customer premises equipment dedicated to last-mile and video surveillance applications. Being Benchu group's largest series, ePTMP offers a wide variety of devices ideal for Internet Service Providers and Operators running their networks using unlicensed bands. Its powerful software platform with a proprietary communication protocol ensure smooth performance even in the most congested environments. The professional-grade integrated hardware design allows for quick return on investment and minimizes operational costs.

| High-Performance (+170Mbps) | Scalability | Fast ROI | Large Selection of Devices |

Product Summary (5GHz Outdoor)

Product	ePTMP 5-90n	ePTMP 5-20n	ePTMP 5-15n
Role Description	Extremely cost effective base station with an integrated high gain 90° sector antenna	Powerful client device with an integrated high gain antenna for mid-range links	Smallest, but yet powerful and the most cost effective client device
Radio			
Frequency	5.150–5.850GHz (FCC 5.150–5.250 and 5.725–5.850GHz)		
Channel Size	5, 10, 20, 40MHz		
Stream	MIMO 2×2		
Wireles Protocol	Proprietary iPoll 3		
Operating Mode	Point-to-Multipoint		
Max Output Power	29dBm*		
Receive Sensitiviy at 20MHz Channel	–97dBm +/–2dB @BPSK –93dBm +/–2dB @QPSK –85dBm +/–2dB @16-QAM –75dBm +/–2dB @64-QAM		
Network			
Ethernet Interface	10/100 Base-T		
Aggregated Data Throughput	170Mbps		
Antenna			
Gain	18dBi (Dual-Pol)	20dBi (Dual-Pol)	15dBi (Dual-Pol)
Beamwidth Horizontal	90°	10°	30°
Beamwidth Vertical	10°	10°	30°
Mounting			
Pole Diameter	2.5–5cm (1–2in)	2–5cm (1–2in)	2–7cm (0.8–2.7in)
Tilting	+10°/–30°	+/–40°	-
Powering			
Method	Passive PoE; 4, 5-pin (+) and 7, 8-pin (–)		
Input Voltage	12–24V		
Power Consumption	4.5W		

*Country-Dependent

Product Comparison

Distance, km (mi)

- ● PTMP (recommended), km
- ● PTMP (max), km
- ● PTP (recommended), km
- ● PTP (max), km