



PMP 36320 ACCESS POINT

Service providers need to deliver reliable, high-quality broadband service at a low investment to succeed in today's competitive marketplace.

The CAP 36320 is an 802.16e standards-based fixed, outdoor solution that provides reliable, cost-effective fixed connectivity in the 3.6 to 3.8 GHz licensed band including the 3.65 to 3.70 GHz lightly licensed band in the United States.

Cambium Networks provides exceptional wireless broadband connectivity solutions. With more than 3 million modules deployed in thousands of networks around the world, Cambium solutions are proven to provide cost effective, reliable data, voice and video connectivity.



| FEATURE | SPECIFICATION |
|------------------------------|---|
| MODEL NUMBER | 3630APC |
| FREQUENCY RANGE | 3.6GHz to 3.8GHz (FCC: 3.65 to 3.70GHz) |
| CHANNEL WIDTH | 3.5 MHz, 5 MHz, 7MHz, or 10 MHz |
| STANDARD PROTOCOL | WiMAX 802.16e-2009 |
| MIMO | 2x2 MIMO Matrix A and Matrix B |
| ANTENNA GAIN | Optional MIMO 16.5dBi antenna for 90 degree sector applications |
| TRANSMIT POWER | Up to 2 x 25dBm (EIRP limited by FCC rules) |
| EIRP | Up to 44.5dBm FCC limit (Up to 36 dBm in 10MHz channel) |
| ANTENNA BEAM WIDTH | 4 sector application (actual 3 dB antenna pattern: 60° horizontal 8° elevation, null fill) |
| MODULATION LEVELS (ADAPTIVE) | QPSK (1/2), QPSK(3/4), 16QAM(1/2), 16QAM(3/4), 64QAM(1/2), 64QAM(2/3), 64QAM(3/4), 64QAM(5/6) |
| FORWARD ERROR CORRECTION | Cyclic Turbo Coding |
| PACKETS PER SECOND | Up to 45,000 |
| GPS SYNCHRONIZATION | Yes |
| SUBSCRIBERS PER SECTOR | Up to 200 |
| ERROR CORRECTION | HARQ and Cyclic Turbo Coding |
| QUALITY OF SERVICE | Supports all 5 WiMAX QoS profiles (Best Effort, rtPS, nrtPS, ertPS, UGS) |
| MAXIMUM DEPLOYMENT RANGE | Up to 25 miles (40km) dependent on link budget and |
| MAXIMUM AGGREGATE THROUGHPUT | Up to 45Mbps aggregate per sector; 8.5Mbps uplink (10MHz channel; 75/25 DL/UL ratio) |
| LATENCY | 40 to 60 ms roundtrip |
| ENCRYPTION | 128-bit AES |
| SECURITY | EAP-TTLS/PKIMv2 authentication over RADIUS |

**PRODUCT SPEC SHEET
CANOPY PMP320 ACCESS POINT**



Cambium Networks

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| NOMINAL RECEIVE SENSITIVITY (10MHz Channel) | CTC-QPSK(1/2): | - 93 dBm |
| | CTC-QPSK (3/4): | - 87 dBm |
| | CTC-16QAM(1/2): | - 84 dBm |
| | CTC-16QAM (3/4): | - 81 dBm |
| | CTC-64QAM(1/2): | - 78 dBm |
| | CTC-64QAM (2/3): | - 77 dBm |
| | CTC-64QAM(3/4): | - 75 dBm |
| | CTC-64QAM (5/6): | - 73 dBm |
| ETHERNET INTERFACE | 10/100BaseT, half/full duplex, rate auto negotiated (802.3 compliant) | |
| NETWORK CONVERGENCE PROTOCOLS USED | Layer 2 bridge mode or Layer 3 routing mode SW configurable IPv4, UDP, TCP, IP, ICMP, Telnet, SNMP, HTTP, FTP | |
| NETWORK MANAGEMENT | Web-based interface, SNMP, or Wireless Manager | |
| VLAN | 802.1Q with 802.1p priority, dynamic port VID | |
| TEMPERATURE | -40° C to +55° C (-40° F to +131° F) 0% - 95% humidity, non-condensing | |
| WEIGHT | With sector antenna: 12 lbs. (5.5 kg) Radio only: 4.85 lbs. (2.2 kg) | |
| WIND SURVIVAL | 118 mi/hour (190 km/hour) | |
| WIND LOADING | 81 lbs. (37kg) at 118 miles / hr (190 km/hr) | |
| DIMENSIONS (H x W x D) | With sector antenna: 28 x 7.7 x 9.5 inches (711 x 195 x 240mm) Radio only: 13 x 7.7 x 5.5 inches (~330 x 195 x 140mm) | |
| MAXIMUM POWER CONSUMPTION | < 25 Watts | |
| INPUT VOLTAGE | Power over Ethernet | |
| CE | "CE" marked & compliant to EN300 328 | |
| FCC ID | ABZ89FT7632 | |
| INDUSTRY CANADA CERTIFICATE | 109W-3630APC | |
| ENVIRONMENTAL | ROHS/WEEE compliant | |