



The Motorola PMP 320: Innovative, Cost-Effective and Interoperable



Motorola's first fixed outdoor 802.16e wireless broadband solution, the Point-to-Multipoint (PMP) 320, is a cost effective, licensed option for network operators looking to build or extend existing networks and achieve a rapid return on investment. WiMAX 802.116e interoperability enables reliable data, voice and video connectivity.

To fully appreciate what makes the PMP 320 compelling, it's important to understand its unique specifications:

About Motorola Wireless Broadband

Motorola's comprehensive portfolio of reliable and cost-effective wireless broadband solutions together with our WLAN solutions provide and extend coverage both indoors and outdoors. The Motorola Wireless Broadband portfolio offers high-speed Point-to-Point, Point-to-Multipoint, Mesh, Wi-Fi and WiMAX networks that support data, voice and video communications, enabling a broad range of fixed and mobile applications for public and private systems. With Motorola's innovative software solutions, customers can design, deploy and manage a broadband network, maximizing uptime and reliability while lowering installation costs.

FEATURE	BENEFIT
High Performance	The PMP 320 offers full MIMO Matrix B support, with up to 45 Mbps of throughput in a 10 MHz channel, up to 65,000 Packets per Second (PPS) and long range, LOS and nLOS performance for business and residential connectivity in the 3 GHz licensed band.
Standards-based WiMAX Interoperability	The PMP 320 uses the 802.16e air interface (both MAC and PHY) to enable interoperability with WiMAX CPEs. Motorola also offers an Interoperability Testing (IOT) program to assist device manufacturers with an IOT test plan.
Low Complexity	Designed for fixed outdoor applications to inter-operate with WiMAX CPEs, the PMP 320 does not require the costly ASN gateway equipment associated with mobility functions.
Low Cost	The PMP 320 is an all-outdoor, integrated, single-board radio. This simple design is fast and easy to install with low power requirements and no requirement for the controlled environments associated with circuit boards.
More Bandwidth for More Users	License holders can use the PMP 320 to rapidly reach subscribers in low-density locations, beyond the edge of their mobile WiMAX networks or in Greenfield environments without significant investment in the core network equipment associated with mobile connectivity.
Optimized Operation	The PMP 320 operates in the following frequencies: 3.3 to 3.4 GHz; 3.4 to 3.6 GHz (incl. 3.5 GHz); 3.6 to 3.8 GHz (incl. 3.65 GHz).

The PMP 320 is the lowest-cost, least-complex solution currently available for licensed multi-point networks, delivering the high performance and interoperability of WiMAX technology.

For more information on this innovative addition to the Motorola Wireless Broadband portfolio, contact a Motorola authorized dealer, sales representative or visit www.motorola.com/pmp320.



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