



Personal Transport 5 (PT⁵)

WR-PT5-0001



THE NEXT EVOLUTION OF PERSISTENT CONNECTIVITY

The PT⁵ is a dual-function accessory for the MPU5 that connects you and your team to the cloud via 5G and connects devices to the MPU5 via Wi-Fi.

GLOBAL & PERSONAL CONNECTIVITY

- 5G Cellular modem and dual Wi-Fi access points - simultaneously
- 5G connectivity designed for the MPU5 & Cloud Relay™
- Connect Wi-Fi devices to the MPU5 without cabling
- Delivers high throughput while minimizing power consumption

PERSONAL TRANSPORT FOR CLOUD RELAY

- Ruggedized, approved 5G cellular modem with FirstNet support.
- Designed for the MPU5 - no cables or additional batteries required
- Multi-carrier capable - supports physical SIMs & international roaming, including Band 14
- Leverage host nation cellular networks with two layers of NIAP-approved encryption

WARFIGHTER PERSONAL NETWORK

- Dual Wi-Fi 6e access points capable of simultaneous use of 2.4 and 5 GHz
- Up to 200 Mbps speeds
- 25 foot range
- Connect 10+ Wi-Fi devices to the Wave Relay® MANET without cabling
- DHCP Support
- WPA2 & WPA3 Security
- Randomized MAC addresses
- Random, non-attributable SSID generation
- SSID broadcast can be disabled

RUGGED & FLEXIBLE DESIGN

- Plastic housing designed to meet IP66 and MIL-STD-810
- Compatible with all MPU5 ports
- Mounts directly to MPU5 or via extension cable

LOW COGNITIVE LOAD

- Simple configuration at scale for automated deployment across teams
- PT⁵ settings are managed by the MPU5, allowing team members to connect any PT⁵ and their settings will be applied.
- MPU5 randomly assigns Wi-Fi channels, MAC addresses, and SSIDs to the PT⁵, simplifying configuration and maximizing performance.



NO NDA REQUIRED

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SPECIFICATIONS

Cellular

Band

5G NR, LTE, LAA, WCDMA (DB-DC-HSDPA), TD-SCDMA, CDMA 1x, GSM/EDGE, CBRS

Carrier

AT&T
AT&T FirstNet
Supports roaming

Modem

Certified 5G
3GPP Release 16 compliant

Antenna

Integrated Laser Direct Structure (LDS)
Antennas etched into plastic enclosure

SIM

Nano-SIM tray

5G Chipset

Snapdragon® X62 Modem RF System from Qualcomm Technologies, Inc.

5G Spectrum

Sub-6 carrier aggregation (FDD-TDD, FDD-FDD, TDD-TDD), Dynamic Spectrum Sharing (DSS)

5G Modes

FDD, TDD, SA (standalone),
NSA (non-standalone)

Bandwidth

120 MHz

Modulation

256-QAM

Wireless

4x4 MIMO

Process Size

4 nm

Controls

Interface

Wave Relay® Web Management Interface (WMI)

Management

Network Status compatible

Configuration

Network default compatible

Environmental

Operating Temperature

-20°C to +60°C

Ingress Protection

IP66

Ruggedization

Designed to MIL-STD-810

Physical

Dimensions

3.94 x 1.52 x 0.73 in.

10 x 3.85 x 1.85 cm

Weight (PT⁵ Device Only)

3 oz.

85.5 g

Mounting

Direct to MPU5: Any Port

Extension Cable: Any Port

PTT Cable: PTT USB Port

Material

Molded Plastic

Color

Black

Power

External Power Required

No

Max. Power Draw

2.4W

Wi-Fi

Version

802.11 a/b/g/n/ac/ax

Bands

Dual Access Point (AP) - Can operate simultaneously

Wi-Fi AP 1: 2.4 GHz

Wi-Fi AP 2: 5 GHz

RF Output Power

22 dBm / 159 mW Max.

Configurable

Antenna

Integrated Laser Direct Structure (LDS)
Antennas etched into plastic enclosure

Client Device Compatibility

Any EUD, Laptops, IoT devices, etc.

Simultaneous Client Devices

10+

SSID

Randomized from onboard dictionary

Configurable SSID and password

SSID broadcast can be disabled

Security

WPA2

WPA3

Randomized MAC address



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