



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

Internal Battery

600mAh 2.2Wh rechargeable LiPo battery

Used for supplemental power when system draws in excess of 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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