



Wi-Fi Adapter

Wi-Fi Solution for MPU5

Supporting Persistent Systems' MPU5 radio, the Mastodon Wi-Fi Adapter provides access to MANET with any Wi-Fi connection. This easily configurable unit delivers transparent Wi-Fi and ethernet LAN connectivity with enterprise level security enhancements. Featuring a user-configurable auto-on capability, the adapter is powered off of the host MPU5, reducing cabling and overall system weight.



Security and Authentication

The Wi-Fi adapter provides secure connections with SSLv3; TLS 1.2 with PKI support and X.509 certificate management. The unit offers role-based access control, as well as private key generation and storage for secure boot, secure firmware derivation and distribution of public key from private key.

DHCP Protocol Support

The DHCP network address range is programmed based on the user entry for the IP address of the Wi-Fi Adapter management interface. The address pool is used to assign IP address leases to the wireless clients within this network address.

| Wi-Fi Adapter Specifications | |
|---|--|
| Wi-Fi | Dual band, 802.11 a/b/g/n |
| Frequency Bands | 2.4 GHz and 5 GHz |
| Wireless Client Connections to AP Interface | Up to 4 |
| Security | 802.1X, 802.11i and EAP (EAP-TLS, EAP-TTLS, EAP-PEAP, EAP-FAST) authentication methods; WPA/WPA2 (Wi-Fi alliance protected access) |
| Ethernet | IEEE 802.3 MAC, 10BaseT, and 100BaseT (RMII) |
| Dimensions | 1.5" W x 2.2" H x 0.8" D |
| Unit Weight | 1.9 oz |

| Part Number | Description |
|----------------|---------------|
| MD1008-1250-01 | Wi-Fi Adapter |

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Mastodon Design develops technically advanced, user-friendly solutions that meet the rigorous demands of today's military faster, cheaper, and better than anyone in the industry. We combine decades of world-class engineering expertise with real-world Special Operations Forces experience to deliver superior products in a customer-focused environment of agility and responsiveness.