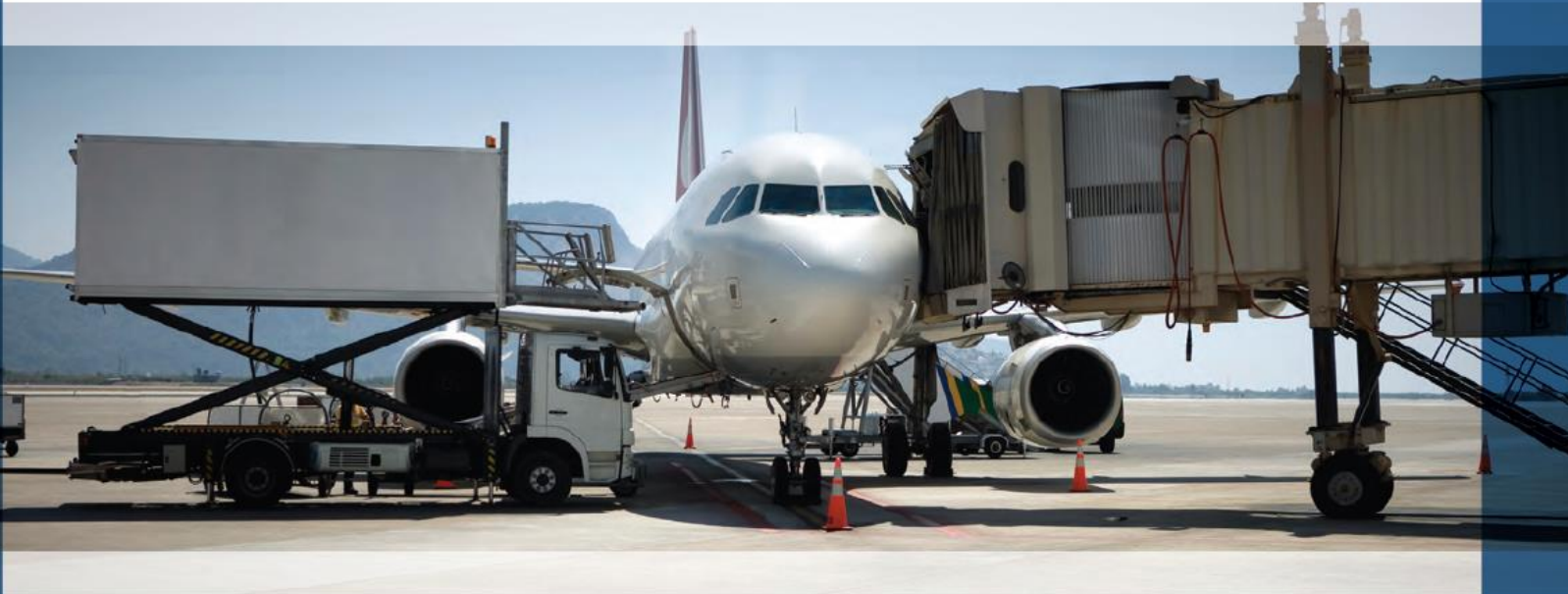


802.11ac WAVE 2 MULTIFUNCTION ACCESS POINT



IEEE 802.11ac FEATURING: WAVE 2, CHT, EMBEDDED SERVER AND CYBER SECURITY

Each nMAP3 has two radios, providing both IEEE 802.11a/n/ac WAVE 2 operation and 802.11g/n for legacy client devices. Wireless data rates up to 7 Gbps may be achieved with 802.11ac WAVE 2.

This MAP3 is the next generation to the popular nMAP2, with the following enhancements.

WAVE 2: IEEE 802.11ac WAVE 2 hardware and software upgrade driving faster data throughput.

CHT: Enhanced Cognitive Hotspot™ Technology (CHT) optimizing wireless cabin communications.

Server: Embedded 2 TB storage server providing distributed content caching and fast access across the cabin network. (Optional)

Cyber Security: Advanced cyber security intrusion detection protecting data communications. (Optional)

KEY BENEFITS:

Integrated or detached antenna assembly reduces cost, weight, & size

Intelligent client roaming

Auto Wireless Power Control & Channel Assignment

Auto Load Balancing & Interference Mitigation

Automatic Failure Recovery

Local Embedded Content Storage

The latest advanced RazorSecure Delta security

Radio certifications for legal MAP3 operation

Up to 8 concurrent profiles & 32 VLANs (IEEE 802.1q) for separate user networks

Configurable and guaranteed QOS per profile

Mutual authentication via PEAP, EAP-FAST, EAP-TLS, EAP-TTLS, or EAP-SIM



VT Miltope

A company of VT Systems

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(M A P 3)

802.11ac WAVE 2 MULTIFUNCTION ACCESS POINT

MAP3 with Antenna Assembly Part No: To Be Assigned



PRELIMINARY DATA: Subject to change without notice

KEY DESIGN FEATURES:

ARINC 763-3, 836, and 628a Part 1

Loadable software

Compact, waterproof design

Proven reliability, No maintenance

IP strap pin configuration allows physical control of the IP address of MAP3's

PART NUMBERS:

Part No.	Description
TBA	MAP3
TBA	Antenna Assembly
TBA	MAP3 + Antenna Assembly

TECHNICAL SUMMARY:

Wired Interfaces

Ethernet Two IEEE 802.3ab 1000BaseT (auto-sensing)
Relay Fail-Over for MAP3 Fault Recovery

Discretes Two Inputs (weight on wheels interface)

IP strapping Control IP address for up to 16 MAP3's

Power Primary 97-134 Vac, 360-900 Hz and 18-36 Vdc
Power Consumption: 20 W nominal (26 W max)

Security/VPN VPN: IPSec with IKEv1, IKEv2, NAT Traversal; SSLv3
Open VPN client and server, PPTP, L2TP; 5 VPN Tunnels
Encryption: DES, 3DES and AES
Authentication: RADIUS, TACACS+, SCEP
MAC Address Filtering; VLAN support; Ethernet Isolation
Stateful inspection firewall with scripting

Router/Firewall NAT, NATP, Ethernet bridging
Routing: PPP, PPPoE, GRE, RIP, OSPF, SRI, BGP, iGMP (multicast)
IP Failover: VRRP, VRRP+TM; RSTP
DHCP, Dynamic DNS client

Management HTTP, HTTPS
SMTP, SNMP (v1/v2c/v3), SSH
CLI and SOAP (optional)

Key Qualification Performance

Thermal DO160G, Section 4, Category A2

Vibration DO160G, Section 8, Category R, curve C/C1

Power Input DO160G, Section 16, Category A (WF) for AC, Category A for DC

Radiated RF Emissions DO160G, Section 21, Category M plus HF notch

Physical Weight: 3.3 lbs. (1.5 kg) MAP3, 0.75 lbs. (0.34 kg) antenna assembly
Dimensions: MAP3 2.28" (57 mm) H x 8.89" (226 mm) x 6.39" (177 mm) W
Mounting Plate 11.50" (292 mm) L x 6.97" (177 mm) W
MAP3 + antenna assembly height 2.90" (74 mm)