

## AT23801 MANET IP RADIO ROUTER



**AT23801** is a high performance, ruggedized router built on Cisco 5915 ESR. It is designed for operation with the **AT23701 MANET IP Radio** as part of the **B2R Broadband Radio Router**.

The router allows the static or dynamic routing of IP protocol to ensure data transitions between individual virtual LAN networks. It provides reliable operation for **mobile military applications** under extreme climate conditions.

AT23801 creates a data interface to external networks, a security gateway complemented by a firewall, VPN connectivity option, IPS and other security features.

**Hardware encryption** increases the performance of VPN connections with minimal impact to the CPU of the router.

**The integrated control module** allows to control the selected functions of AT23701 such as ON, OFF, the safe deletion of a configuration, the switching of talk groups, PTT voice communication, etc.

AT23801 is suitable for use in static or mobile platforms.

## SERVICES

- Routing protocols: OSPF, RIPv2, BGP, EIGRP, IGMP, PIM, GMP, Cisco Discovery
- Standards: 802.1q VLAN trunking, QoS, 802.1p, Point-to-Point protocol (PPP), PPPoE, GRE
- Hardware encryption for security protocols: IPsec, SSL/TLS, SRTP, 3DES, AES, IKE
- Security features: Firewall, NAT/PAT, Intrusion Prevention System (IPS), Intrusion Detection System (IDS), 802.1x, VPN connection
- IPv6: routing, QoS, Firewall
- Cisco Unified Communications Manager Express
- Management protocols: SNMP v3, Telnet, SSH v2, RADIUS, TACACS+, CSAA, RTP, NTP client, HSRP, DHCP client and server
- Remote management and configuration of AT23701
- Remote ON, OFF and safe deletion of AT23701 configuration
- Support of standard headsets using NATO U-283/U connector
- Switching of AT23701 talk groups
- Internal voice communication with AT23701

### AT23801

MANET IP Radio  
Router



## TECHNICAL SPECIFICATION

### INTERFACES

- 4 x Ethernet with PoE RJ45 (1 x routed / 3 x switched)
- 1 x Ethernet RJ45 for AT23701 management
- 1 x Ethernet RJ-45 console for router management
- 1 x headset
- 1 x connection of AT23701 (electrical power, Ethernet, Audio, Management)
- 1 x electrical power

### TECHNICAL PARAMETERS

Power Supply: ..... 10-32V DC  
Nominal Value: ..... 24V DC  
Operating Temperature: ..... -30°C to +70°C  
Storage Temperatures: ..... -50°C to +85°C  
Dimensions (d x w x h mm): ..... 228 x 220 x 44  
Weight: ..... 2.7 kg

### STANDARDS

Temperatures/Vibrations/Shocks: . MIL-STD 810  
EMC Emission/Susceptibility: ..... MIL-STD 461  
Climatic Environment: ..... MIL-STD 810