

## AT21801 ROUTER & WIFI UNIT



**AT21801 is a high-performance, ruggedized router** based on CISCO 5915 ESR with integrated services designed to provide the reliable operation for mobile military applications under extreme climatic conditions.

The AT21801 allows the static or dynamic routing of IP protocol to ensure the data transition between virtual LAN networks.

The router provides data interfaces to external networks, a security gateway complemented by a

firewall, VPN connection capability, the Intrusion Prevention System and other security features.

With onboard **hardware encryption**, the AT21801 offloads encryption processing from the routing engine and increases the performance of VPN connections.

**The integrated WiFi module** enables wireless connection to the LAN network for local clients as well as MESH enabled wireless network topologies.

**SERVICES**

- Routing protocols: OSPF, RIPv2, BGP, EIGRP, IGMP, PIM, GMP
- Standards: 802.1Q VLAN trunking, QoS, 802.1p, Point-to-Point protocol (PPP), GRE encapsulation
- 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+, NTP client, DHCP client and server
- Compatible with the IEEE 802.11n a/b/g 2.4 / 5 GHz standards MIMO 3T3R
- Roaming support (IEEE 802.11d)
- Dynamic Frequency Selection for flexible selection of the best frequency among all existing IEEE 802.11n a/b/g networks
- Transmission Power Control of the output power

**AT21801**

Router  
& WiFi Unit



**TECHNICAL SPECIFICATION**

**INTERFACES**

- 5 x Ethernet RJ45 (2 x routed / 3 x switched)
- 1 x Ethernet RJ45 WiFi module interface
- 1 x RJ-45 console for router management
- 1 x RJ-45 console for WiFi management
- 3 x Wi-Fi antenna
- 1 x electrical power

**TECHNICAL PARAMETERS**

Power Supply: ..... 10-32V DC  
 Nominal Value: ..... 24V DC  
 Operating Temperature: ..... -30°C - +70°C  
 Storage Temperature: ..... -50°C - +85°C  
 Dimensions (d x w x h mm): ..... 275 x 220 x 44  
 Weight: ..... 2,2 kg

**STANDARDS**

Temperatures/  
 Vibrations/Shocks: ..... MIL-STD 810F(G)  
 EMC Emission/Susceptibility: ..... MIL-STD 461E  
 Climatic Environment: ..... MIL-STD 810C