

# M: DEFENDER

The Defender Series is MissionMobility's most rugged and scalable baseband communication solution. Designed to access your headquarters office network from anywhere in the world, the crypto agnostic, flexible powered Defender Series supports mobile tactical teams and units, providing solutions for mission critical communications, in the most demanding environments.



All MissionMobility Defender Series solutions are packaged in a lightweight, transportable, ruggedized case. The modular nature of this system ensures maximum adaptability, with the capability to support two enclaves simultaneously. Three enclave solutions can be provided upon special request.

## BENEFITS

- Supports unstable power sources in the most abstruse locations
- Scalable supporting system, configurations on the fly
- Adaptable and configurable to support multiple types of Inline Network Encryption (INE) devices
- Provides DC power when AC is unavailable, and acts as a UPS when AC power is interrupted
- Provides user-friendly onboard web server tools for baseband router management

## KEY FEATURES

- Supports typically 10-20 tactical users
- Robust power options for maximum adaptability
- Standard Configuration includes MissionMobility Dashboard Tool (GUI)
- Operates in the harshest environments, with operating in temperatures up to 60°C/140°F
- Scalable Network Capabilities to meet the needs of the mission
- Supports multiple encryption devices providing both interface and power support for devices including KG-175D, SecNet54, KG-250X, KG250 allowing users a wide range of encryption options with no concern of types of power available
- Utilizes standard MIL-Spec 2590 Lithium Ion battery (included) with integrated 50 Watt charger providing true UPS support
- Standard configuration (DEF-INSSW/NMSW15) provides 7 accelerated client user ports (including 4 PoE for peripheral devices, such as VoIP phones) and 3 router interface ports (configurable for multiple WAN connections simultaneously) per enclave



## MARKETS

- Tactical Teams & Units
  - SOF (Special Operations Forces)
  - Mobile Ground Forces
- Executive Travel Teams
- Intelligence Community






## TECHNICAL SPECIFICATIONS

<b>Defender Series Kit</b>	
	Weight: 51.6 lbs.
	Dimensions: 24" x 16" x 10"
	Operating Temperature: 0° to 60°C
<b>Integrated Network Solution (INS) Module</b>	
	Cisco 3250 Router (FIPS-140-2 certified)
	Optional Smart Serial interface (2) (not available with Skipware, Dashboard, and L2 switch)
	Skipware with MissionMobility Dashboard (GUI)
	IPSEC: Point to Point VPN, DMVPN, and EZ VPN using up to AES-256 bit encryption keys
	Routing: BGP, OSPF, EIGRP, RIP, static, and policy-based routing
	Security: IPS and IOS based Firewall. FIPS-140-2 Level 2 approved encryption hardware platform
	Management: SSHv2, https (SSL), SNMPv2 and v3, telnet, serial console
	Capabilities (SKIPWARE): GRE acceleration, black-hole detection, Riverbed auto-discovery support, rate-pacing, and dynamic bandwidth-delay product support, SCPS compliant
	IPv6 compliant (SCPS, Router, and switch)
	Up to 1250 accelerated TCP sessions
	Integrated Managed Layer 2 Switch
	<ul style="list-style-type: none"> <li>• Management: CLI, HTTP, HTTPS, SNMP v2/3, SSH, and telnet</li> <li>• Network Fault Analysis: Port Mirroring and network and port statistic reporting</li> <li>• QOS: 802.1P and IP TOS/DSCP prioritization</li> <li>• Multicast Support: IGMP v1/v2</li> <li>• VLAN Support: 802.1Q trunking and tagging as well as port-based VLAN's</li> <li>• Port Security: MAC address based port security</li> </ul>
	Network Connections-- Supports 1 WAN (routed 10/100), 3 option ports (10/100 switch), and 7 user ports (4 have POE) Power
	<ul style="list-style-type: none"> <li>• Input: AC (90-264 VAC 47-440 Hz, 12-36 VDC, and 2590 battery single)</li> <li>• Conditioned Outputs for (1) NM class, (1) SecNet54 or 2nd NM class, (2) 12 VDC devices, and (1) 5 VDC device</li> <li>• Internal NSA approved KG-250 power supply (optional)</li> </ul>
	<b>Module (NM)</b>
	Cisco 3250 Router (FIPS-140-2 certified)
	Network Connections: Support 1 WAN (routed 10/100), 3 option ports (10/100 switch), and 7 user ports; 2 have POE pwr
	Optional Smart Serial interface (2) (not available with Skipware, Dashboard, and L2 switch)
	Optional Skipware with MissionMobility Dashboard (GUI)
	IPSEC: Point to Point VPN, DMVPN, and EZ VPN using up to AES-256 bit encryption keys
	Routing: BGP, OSPF, EIGRP, RIP, static, and policy-based routing
	Security: IPS and IOS based Firewall. FIPS-140-2 Level 2 approved encryption hardware platform
	Management: SSHv2, https (SSL), SNMPv2 and v3, telnet, serial console
	Capabilities(SKIPWARE): GRE acceleration, black-hole detection, Riverbed auto-discovery support, rate-pacing, and dynamic bandwidth-delay product support, SCPS compliant
	IPv6 compliant (SCPS, Router, and switch)
	Up to 1250 accelerated TCP sessions
	Integrated Managed Layer 2 Switch
	<ul style="list-style-type: none"> <li>• Management: CLI, HTTP, HTTPS, SNMP v2/3, SSH, and telnet</li> <li>• Network Fault Analysis: Port Mirroring and network and port statistic reporting</li> <li>• QOS: 802.1P and IP TOS/DSCP prioritization</li> <li>• Multicast Support: IGMP v1/v2</li> <li>• VLAN Support: 802.1Q trunking and tagging as well as port-based VLAN's</li> <li>• Port Security: MAC address based port security</li> </ul>

