



IMPACT[®] RUGGED ROUTER IR2

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The rugged IP router family of systems is designed to MIL-810G standards for operation in the harshest of environments. The core of the system is the Cisco ESR 5915 router, which enables secure routing and switching capabilities for on-the-move network centric operations. This allows for infrastructure-less networking, including secure data, video, and voice communications to stationary and/or mobile network nodes across wired and wireless networks. The system is fully IPv6 compliant and hardened for thermal, shock, and vibration extremes. IR2 is a single solution ready for airborne, ground, manned, or unmanned vehicle applications. The ESR is fully FIPS 140-2 certified and has been JITC assessed.

Deployment Scenarios

- Mobile Platforms
- Dismounted Operations
- Command Post
- Tactical Vehicles
- Shipboard
- Aircraft
- Airborne Operations

Features

- Provides network connectivity in an extremely small and rugged system
- Using the Cisco ESR 5915 router, operators are able to leverage the full feature suite of Cisco's Advanced IOS, including IPsec, QoS, and routing
- Functions in standalone mode
- Constructed of aerospace-grade milled aluminum
- Water submersible up to 1 meter (IP67)
- Fanless design

Specifications



Product Information			
Model Number	IR2-410	IR2-510	IR2-520
Part Number	40-2764-01	40-2749-01	40-2788-01
Physical			
Dimensions	7.25"L x 6.38"W x 1.69"H	7.50"L x 5.75"W x 1.75"H	7.50"L x 4.69"W x 1.75"H
Cubic Inches	78.2	75.5	61.5
Weight (lbs)	2.7	2.8	2.5
Power			
AC Input Voltage	100 to 240 VAC auto ranging (provided power brick)		
DC Input Voltage	11 to 32 VDC		
Power Consumption*	<15 Watts		
Battery Runtime*	BB-2590 (12 hours - optional)		
Temperature			
Operational	-35°C to 65°C		
Survival	-40°C to 80°C		
Networking			
LAN User Ports	2	3	3
WAN User Ports	2	2	2
PoE	Optional		
Compliance			
MIL-STD-810G	Yes	Yes	Yes
IP65	Yes	Yes	Yes
IP67	Optional	Optional	Optional
MIL-STD-461E	Optional	Optional	No
MIL-STD-1275D	Optional	Optional	No
FIPS 140-2	Yes	Yes	Yes
Suite B	Yes	Yes	Yes

About Comtech

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