



# Impact® Rugged Baseband

## Tactical Communications | Impact® Rugged Baseband

The Impact Rugged Baseband is a standalone or stackable ruggedized communications kit enabling rapid configuration and wide deployment options across fixed and mobile platforms. The series is designed to MIL-810G standards for operation in the harshest of thermal, shock and vibration extremes. The modular approach allows for basic network operations using stand-alone modules and the scalability to easily grow and support larger operations by simply adding additional modules as needed.

The system drives significant Size, Weight, and Power (SWaP) reductions while providing equal or greater capabilities when compared to existing network solutions. Rugged Baseband leverages the latest small form factor rugged router from Cisco 5915 ESR and the IOS Based Cisco ESS 2020 Switch.

- Small and rugged
- Rapid expansion and reconfiguration
- Scalable Network Operations
- Modular system
- MIL-STD-810G Compliant



## Router Module

- » Cisco 5915 ESR platform
- » FIPS 140-2 certified
- » Suite B capable
- » Anodized Milled Rugged
- » Aluminum Enclosure
- » Power LED
- » Environmentally sealed to IP65
- » (IP67 optional)

### Power

AC Input Voltage: 110/220  
 AC Input Frequency: 40/60 Hz (via provided power supply)  
 DC Input Voltage: 11 - 32 VDC

### Temperature

Operational: -35°C to 65°C  
 Survival: -40°C to 80°C

### Dimensions

Length: 7.6" X Width: 5.6" X Depth: 1.8"  
 Weight: Under 3 lbs

### Networking

Network Port Form Factor: RJ-45  
 Console Ports: RJ-45  
 PoE Port: 5

### Port Density

WAN: 2 ports      LAN: 3 ports



## Switch Module

- » Cisco ESS 2020 platform
- » IOS based
- » Anodized milled aluminum casing
- » Power LED

### Power

AC Input Voltage: 110/220  
 AC Input Frequency: 40/60 Hz (via provided power supply)  
 DC Input Voltage: 11 - 32 VDC

### Temperature

Operational: -35°C to 65°C  
 Survival: -40°C to 80°C

### Dimensions

6 Port	12 Port
7.6" X 5.6" X 1.8"	7.6" X 5.6" X 1.8"
Under 3 lbs	Under 4 lbs

### Networking

Network Port Form Factor: RJ-45  
 Console Ports: RJ-45  
 PoE Port: 6 or 12  
 LAN: 8x PoE User ports  
 WAN: 2x PoE User ports



## Router/Switch Module

- » Cisco 5915 ESR router integrated with a Cisco ESS 2020 switch
- » Anodized milled aluminum casing
- » Power LED

### Power

AC Input Voltage 110/220  
 AC Input Frequency 40/60 Hz provided via power supply  
 DC Input Voltage: 11-32 VDC

### Temperature

Operational: -35°C to 65°C  
 Survival: -40°C to 80°C

### Dimensions

7.6" X 11.3" X 2.95"      6.9 Lbs.

### Networking

Network Port Form Factor: RJ-45  
 Console Ports: 2      PoE Port: 8 PoE  
 Fiber Capable

### Port Density

WAN: 2  
 LAN: 20 LAN (including 2 Gig ports)

## About Comtech

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