

TWO47™ BASE STATION

A base station that won't box you in.

Take your communications and remote management capabilities to the next level.

Access tomorrow's technology today with a base station that seamlessly integrates with your existing systems, while giving you the flexibility to build the system that's right for you.

Communicate with any P25 device. Manage and update your system from anywhere. Compact units with customizable layouts will save you space, energy and money. With hardware that is rugged, resilient, and protected around the clock, you'll never second-guess your connection.

Like all Two47 solutions, the Two47 Base Station is:

OPEN

Engineered for interoperability and access.

ADAPTABLE

Designed to be configured to your needs and budget.

UNSTOPPABLE

Fortified for unflinching reliability.



Open standards design for flexible, best-in-breed features:

- > Software-defined and cloud enabled for effortless, management and updates
- > Easily upgradeable to evolve with your operation
- > Multiple points of redundancy for relentlessly reliable communication with dispatch
- > Universal standards and components (P25, ARM processors) provide a scalable platform to build on
- > Compact, modular layout
- > Built to the most stringent cybersecurity standards

GENERAL	
Base Station Dimensions	1 Channel per 1 Rack Unit Shelf (1 RU) 1.75" H x 19" D in (4.445 H x 48.26 D cm)
Power	-48 VDC standard (90-230 VAC optional)
Operating Temperature Range	-22° to +140°F (-30° to +60°C)
Humidity	90% @ 122° F (+50°C)
Altitude	Operational: Up to 15,000 ft (4,572 m) Shippable: Up to 50,000 ft (15,240 m)

TRANSMITTER		
	700	800
Frequency Range (MHz)	768-776	851-870
Rated Power Output (W)	100	100
RF Output Impedance (ohm)	50	50
Conducted Spurious and Harmonic Emissions (dBc)	<-70	<-70
Frequency Stability (ppm)	<0.1	<0.1
Channel Spacing (kHz)	12.5	12.5
Synthesizer Step Size (kHz)	6.25	6.25

RECEIVER		
	700	800
Frequency Range (MHz)	798-806	806-817 806-825 (Intl.)
Sensitivity, TIA-P25 (dBm)	<-119	<-119
RF Output Impedance (ohm)	50	50
Intermodulation Rejection, TIA-P25 (dB)	>80	>80
Spurious and Image Rejection (dB)	≥90	≥90
Frequency Stability (ppm)	<0.1	<0.1
Channel Spacing (kHz)	12.5	12.5
Synthesizer Step Size (kHz)	6.25	6.25

OPERATIONAL MODES			
Mode	Modulation	Bit Rate (kbps)	Emission Designator
P25 Phase 1	C4FM	9.6	8K00F1D/8K00F1E
P25 Phase 1 Simulcast HVD-FDMA	WCQPSK	9.6	9K70D1W
P25 Phase 2	H-DQPSK	12	9K80D7W
HVD-TDMA	DQPSK	19.2	18KD1W, 12K5D1W

REGULATORY DATA						
Frequency Range (MHz)	Power Output (Adjustable) (W)	FCC Type Acceptance Number	Applicable FCC Rules	Industry Canada Certification Number	Applicable Industry Canada Rules	NTIA Certification Number
769-775 768-776 (Intl.)	10-100	Pending	90, Part 15	Pending	RSS-119	N/A
851-869 851-870 (Intl.)	10-100	Pending	90, Part 15	Pending	RSS-119	N/A

Technical specifications are subject to change without notice.
Product sales are subject to applicable U.S. export control laws.

L3Harris Two47 Base Station

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