



# THALES

Thales Defense & Security, Inc.

**2026 Products**



22605 Gateway Center Drive  
Clarksburg, MD 20871

CAGE Code 23386

# AN/PRC-170 Javelin MANET Radio

TH210 (2M)

## AN/PRC-170 Non-Type 1 Single Channel SBUe Radio



AN/PRC-170 Javelin is a rugged, small, and lightweight single-channel radio that provides Warfighters with tactical command and control communications in a variety of challenging radio-operating environments, utilizing the widely fielded TSM™ waveform. TSM Provides a wideband MANET coverage for superior voice, and data across harsh multipath and highly dynamic environments such as shipboard, caves and urban operational settings. The AN/PRC-170 Javelin is interoperable with IMBITR 2 Channel leader radio and other third party radios running the TSM Waveform. The AN/PRC-170 Javelin is field upgradeable to the Katana™ waveform, providing narrowband fast frequency hopping communications in contested environments for high resiliency. Katana supports seamless operation with Warrior Robust Enhanced Networking WREN-NB waveform at Secure but unclassified (SBU) level.

**ITAR Controlled**

# Technical Specifications

## Physical Parameters

**Length:** 5.2 inches (13.21 cm)  
(excluding antennas)

**Width:** 2.6 inches (6.60 cm) (with battery attached, excluding antennas)

**Depth:** 1.8 inches (4.57 cm)

**Weight:** 1.25 pounds Radio and Battery (567 g)

## Environmental Specifications

**Operating Temperature:** -31° to +55° C

**Storage Temperature:** -33° to +71° C

**Immersion:** 2M

## Waveforms/Modes of Operation

TSM

- Infrastructure-less MANET
- High-speed wireless IP networking
- Self-Forming, self-healing
- Scalable to 800+ nodes
- Robust in harsh environments
- Fast, seamless network join/merge
- Instant adaptation to network topology change

## Wideband Channel

**Transmit Power:** Up to 2 watt

**Operating Frequencies:** L-UHF: 225 – 450 MHz, U-UHF: 698 – 970 MHz (requires an additional optional antenna),  
L/S Bands: 1250 – 260 MHz

**Network Throughput:** up to 50 Mbps

**Encryption Security:** AES-256

**Dedicated PTT Voice Channels:** supports up to 32 talk groups, AMR 5.9 or MELPe

**Occupied Bandwidth:** 1.2 – 20 MHz

Net entry time <1 sec

Supports up to 8 hops for voice and data

Scalable to 800+ nodes in a single RF channel












Multiple simultaneous streaming videos

Position Location Information (PLI) support with Cursor-on-Target (CoT)













OTA Remote Control

Part Number	System Description	NSN #	
PRC7347-FBW-SOC	Javelin System 2M Full Bandwidth (FBW)		
PRC7347-FBW-SYS	Javelin System 2M (FBW)		
PRC7347-FBW-INT2	Javelin System 2M (FBW) (INTL)		
PRC7347-RBW-SYS	Javelin System 2M Reduced Bandwidth (RBW)		
Part Number	Accessory Description	NSN #	Category
✓ ✓ 4103230-501	Unit Assembly, Javelin 2M (FBW)		RT
✓ 4103230-502	Unit Assembly, Javelin 2M (FBW)(INTL)		RT
✓ 4103230-503	Unit Assembly, Javelin 2M (RBW)	5820-01-695-4224	RT
✓ ✓ ✓ 1600842-2	Battery, Plastic High Capacity	6140-01-665-0882	Battery
✓ ✓ ✓ 3501078-501	Cable Assembly, Radio to EUD/Battery	5995-01-697-1658	Battery
✓ ✓ ✓ 4103258-501	Unit Assembly, Battery Passthru	5940-01-697-1618	Battery
✓ ✓ ✓ 1600953-1	Antenna, Tri-band UHF, L/S-Band	5985-01-697-1656	Antenna
✓ ✓ ✓ 85756-001	Antenna, Passive GPS, Linear Polarization		Antenna
✓ ✓ 1600494-20	Holster Expandable MultiCam	5895-01-679-8664	Holster

## Accessories

Part Number	NSN Number	Accessory Description	
1600953-1	5985-01-697-1656	Antenna, Tri-Band UHF, L/S Band	
1600865-8		In-Ear Headset, 20M Submersible, One Ear, Single Sided, Lightweight (Earphone Kit 1100542-501 is Included) Use with V20 (1600865-26) or V60 PTT (1600865-21)	<i>Photo Not Available</i>
1600469-4	5965-01-507-3576	Balanced Speaker Microphone, Single Channel (Earphone Kit 1100542-501 is Included)	
1600865-21	5995-01-669-7150	Push to Talk (PTT), V60, Tan	
1600865-26		Push to Talk (PTT), V20, Tan	
1600865-13		Invisio 6-Pin Audio Down Lead	
1100641-501	5965-01-572-8509	Commercial Lightweight Urban Headset	
SS-90017		Handset, H-250/U	
1600771-3		Single Channel ACH Headset, Olive Drab	<i>Photo Not Available</i>
1600771-9		6-Pin PTT Adapter Cord	<i>Photo Not Available</i>
1600842-2	6140-01-665-0882	Battery, Plastic, High Capacity	
4103231-501	6140-01-697-1662	Javelin Battery Assembly, 3 Cell	
4103258-501	5940-01-697-1618	Javelin Battery Pass Through	
4101240-501	6160-01-487-1151	Battery Cell Holder Uses 12x non-rechargeable DL123A/CR1233A cells	

# Accessories

Part Number	NSN Number	Accessory Description	
4101310-501	6130-01-506-7606	Special Power Adapter Interface (SPAI)	
3500460-501	5995-01-506-7580	Special Power Adapter Interface (SPAI) DC Input Cable	
4101441-501		Battery Eliminator Powers the Radio from an Adapter From External DC Power Source, 4'L Cable, 12V DC Input Voltage	
4101441-502	5940-01-483-4815	Powers the Radio from a BA-XXX90 Battery, with 3'L Cable	<i>Photo Not Available</i>
3501074-501		Cable, Glenair Extension, 12"	
3501074-502	5995-01-697-1660	Cable, Glenair Extension, 18"	
3501074-503		Cable, Glenair Extension, 24"	
3501074-504		Cable, Glenair Extension, 8"	
1600494-5	5895-01-679-8664	Holster, Multicam [for Use with IMBITR without SIAM/ASM]	
1600494-20	5895-01-679-8664	Holster, Expandable Multicam [for Use with IMBITR, with or without SIAM/ASM]	
1600973-1		Holster, Javelin	
1600713-11	5995-01-669-7121	NB Programming/Data Cable [USB-A Connection]	
3101376-501	5995-01-679-8659	USB Programming Cable [Glenair to USB-A]	

# Capabilities

## Key Features

- > Simultaneous Voice, PLI and Data Transport
- > Embedded GPS
- > Type-3 AES 256 Encryption
- > Supports UHF, Upper UHF, L and S Band Communications
- > Future Waveforms: Katana™
- > 32 Talk Groups
- > Integrated Nett Warrior Power and Data Connector
- > Removable/Re-chargeable Battery
- > Rechargeable Lithium-Ion 3.5 Ah
- > Compliant with the Universal Battery Charger (UBC) Family of Tactical Chargers

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Specifications are subject to change without notice.

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