

JTT-IBS

Joint Tactical Terminal - Integrated Broadcast Service

The Leonardo DRS Joint Tactical Terminal - Integrated Broadcast Service (JTT-IBS) is being produced under contract to the U.S. Army, who has designated JTT-IBS as AN/URC-145(V)1.

The JTT-IBS incorporates both receive and transmit capabilities, supporting a worldwide network that shares time-sensitive data across air, ground and maritime operations. It serves as a key element of the Distributed Common Ground System (DCGS) and provides the ability to disseminate critical Command, Control, Communication, Computer and Intelligence (C4I) systems information between tactical users and intelligence nodes.

Leonardo DRS offers a family of customized, next-generation tactical terminals that are compatible with JTT-IBS. DRS is also upgrading the JTT-IBS to support the Common Interactive Broadcast (CIB) and Integrated Broadcast Service Common Message Format (IBS CMF).



JTT-IBS

HIGHLIGHTS

- Supports air, ground and maritime operations
- Receives and transmits critical data enabling real-time situational awareness
- JTT supports multiple combinations of IBS-S and IBS-I communications
- Hardware architecture is designed to be compatible with the future Common Interactive Broadcast (CIB) waveform
- Enables the dissemination of mission critical C4I systems information between tactical users and intelligence nodes

MECHANICAL SPECIFICATIONS

PARAMETER	DESCRIPTION
IBX product dimensions (within 3/4 ATR short)	12.52 L x 6.0 W x 7.62 H (inches)
	31.80 L x 15.24 W x 19.35 H (cm)
EPA product dimensions (3/4 ATR short)	12.52 L x 7.5 W x 7.62 H (inches)
	31.80 L x 19.05 W x 19.35 H (cm)
Architecture	Standard compact PCI 3U form factor
IBX weight (with cooling fan)	Approximately 30 lbs. (13.61 kg)
EPA weight (including mounting tray with cooling fan)	Approximately 30 lbs. (13.61 kg)
Operating temperature (with forced air cooling)	-40°F to +109.4°F (-40°C to +43°C)

GENERAL SPECIFICATIONS

PARAMETER	DESCRIPTION
Broadcast reception	Four (4) channel operations
Broadcast transmission	Two (2) channel transmit (IBS-I only)
Operating modes	TADIXS-B, IBS-S (TDDS), IBS-I (TIBS)
Key fill	Via front panel or remote fill panel interface
Growth	Leonardo DRS is upgrading the JTT-IBS to support IBS-CMF and the Common Interactive Broadcast (CIB)
USA designation	AN/URC-145(V)1 Joint Tactical Terminal (JTT)

ELECTRICAL SPECIFICATIONS

PARAMETER	DESCRIPTION
Interfaces	Two (2) MIL-STD-1553B, Four (4) MIL-STD-188-114 RS-422, RS-232 serial ports, Ethernet
Power	400 Hz, 115 VAC (input) 60 Hz, 230 VAC, 28 VDC

Airborne & Intelligence Systems

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