



TLB-50

High Performances Tactical Terminal

The new TLB-50 is well suited to any military application requiring a compact rugged antenna. It is rapidly deployable without tools by one single person in less than 30 minutes. Its multi segmented carbon fibre honeycomb reflector ensures light weight and maximum strength with no deformation, even after reassembling hundreds of times.

Using industry-first technologies the TLB-50 terminal provides medium/high capacity up to 8Mbps anywhere, features which placed this SATCOM terminal as the state-of-the-art.

The automatic pointing system besides the optional tracking system ensures reliable satellite communication.

The TLB-50 antenna prime focus designs includes an innovative cartridge feed arrangement available for X, Ku and Ka band.



Multiband high capacity tactical satellite communications



The antenna subsystem packs into only 2 easy-to-use flight cases. A total 9 boxes for full equipment stores the antenna subsystem and electronic devices.

General performances

Installation	Fly away quick deploy terminal
Antenna Size	1.8m
Antenna Control	Manual quick deploy, automatic pointing and tracking system optionally
Modem Configuration	FDMA / TDMA
Typical Data Rate	Shipped with up to 2Mbps (expandable up to 8Mbps)
IF	L Band 950 - 1950 MHz
Services	Voice, data and multimedia
Modulation	BPSK /QPSK
Compliance / Certification	Hispasat, Eutelsat
M&C	GAC Indra Software
Available Units	Up to 9 boxes, customizable

RF Characteristics	X Band	Ku Band	Ka Band
Rx (GHz)	7.25-7.75	10.95-12.75	20.2-21.2
Tx (GHz)	7.90-8.40	14.00-14.50	30.0-31.0
Feed Ports	2	2	2
Polarization	Circular	Linear	Circular
G/T	18dB/K	21dB/K	23dB/K
EIRP	54dBW	60dBW	59dBW

Mechanical

Deploy Time	<30 min.
Commercial Transport	Land, sea or air
Weight	Configuration depending

Options & Extras

TCP Accelerator & Encoder	Available option
Network Management	DAMA-TDMA Option
Test Equipment	Standard spectrum analyzer, other equipment optionally
Modulation	8PSK/16QAM, DVB-S2 Broadcast (extra option)
RF Spectrum	Ku Spread Band 13.75-14.50 GHz / C Band

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