

Connectivity with No Boundaries

With the ultra-portable, flat-panel ThinPack antenna, users in the field can stream video, make calls and take high-speed satcom anywhere cellular networks don't exist or aren't viable.

Key Features

- Worldwide satellite coverage (Ku, Ka and X bands)
- Compatible with wide-beam and HTS services
- Network and modem agnostic
- Up to 20Mbps down x 10Mbps up
- No assembly required
- Fast and easy to align and stabilize
- Lightweight and compact, easily transported
- Airline carry-on case available (IATA compliant)
- Panel-only options readily adaptable to all integrators' terminal solutions

Applications

- Homeland Security
- Intelligence/Surveillance
- Disaster Recovery
- Emergency Management
- Broadcast Media
- Oil and Gas Operations



ThinKom

www.thinkom.com

Technical Specifications

Integration options and technical enhancements, beyond the standard configurations below, are available upon request.

Specification	Ku100	Ku100i	Ka100	X100
Frequency Band	Ku-band		Ka-band	X-band
Transmit (Tx) Band	13.75-14.5 GHz		28.1-31.0 GHz	7.90 to 8.40GHz
Receive (Rx) Band	10.7-12.75 GHz		18.7-21.2 GHz	7.25 to 7.75GHz
G/T	9.0 dB/K (12.25 GHz)	11.5 dB/K (12.25 GHz)	13 dB/K (20.2 GHz)	6.5 dB/K (7.5 GHz)
EIRP	39.5 dBW (14.25 GHz w/6W BUC)*	40 dBW (14.25 GHz w/6W BUC)*	46 dBW (30 GHz w/5W BUC)*	37.5 dBW (8.15 GHz w/10W BUC)*
Transmit PSD (Regulatory Compliance)	12.5 dBW/4 kHz (per 47 CFR 25.222, 25.209)	15 dBW/4 kHz H-Pol (per 47 CFR 25.222, 25.209)	32 dBW/40 kHz (per 47 CFR 25.138)	12 dBW/4kHz (per MIL-STD-188-164A)
Parabolic Dish Equivalent	40-45 cm	45-50 cm	60-65 cm	40-45 cm
Polarization	Linear (manually aligned)		Switchable circular (orthogonal-pol)	Switchable circular (orthogonal-pol)
X-Pol/AR	< 20 dB typical (X-pol)		< 2.0 dB typical (AR)	< 2.0 dB typical (AR)
Tx/Rx Isolation	<-80 dB (built-in diplexer/filters)			85 dB
Antenna Weight	8.1 lbs.	6.5 lbs.	9.3 lbs.	7 lbs.
Antenna Dimensions	16.1"L x 10.1"W x 3.4"H	16.1"L x 9.6"W x 2.1"H	16.8"L x 11.5"W x 2.8"H	16.1"L x 10"W x 2.8"H
Operating Temperature	-40°F to +140°F (-40°C to +60°C)			
Storage Temperature	-40°F to +158°F (-40°C to +70°C)			
Environmental Compatibility	MIL-STD-810			

*Larger BUC sizes available



Performance Advantages

Fueled by patented technology, ThinPacks outperform parabolic dishes and other flat-panel antennas on many fronts:

- High spectral efficiency
- Broad channel bandwidth
- Low OpEx
- High performance in rain/wind
- Low prime power
- Convenient portability