



PRODUCT OVERVIEW

Integrated VSAT terminals and RF electronics, Skyware Technologies engineers off-the-shelf designs and provides custom OEM products to some of the world's largest names in Satcom. Skyware Technologies offers the world's most versatile Ka-band transceiver for enterprise and government applications and is a terminal launch partner for Inmarsat's Global Xpress® network.

Integrated Terminals

The smallest and lightest Ka-band terminals available in their performance class with a unique carbon fibre dual-reflector system and integrated RF transceiver package.



Flyaway Ka-Band	Reflector Size (cm)	Frequency range (GHz)		G/T	EIRP	Weight (Kg)
		Rx	Tx			
ATOM 65 w/pointing assist.*	65	19.2-21.2	29.0-31.0	17.0 dB/K @ 20.2 GHz 30°EI, clear skies	50.5 dBW @ 30.0 GHz	14.0
ATOM 65 Auto Acquire*	65	19.2-21.2	29.0-31.0	17.0 dB/K @ 20.2 GHz 30°EI, clear skies	50.5 dBW @ 30.0 GHz	22.6
ATOM 99*	99	19.2-21.2	29.0-31.0	21.0 dB/K @ 20.2 GHz 30°EI, clear skies	54.0 dBW @ 30.0 GHz	TBD

Hard and soft carrying case options are available for all ATOM terminals.



Fixed	Reflector Size (cm)	Frequency range (GHz)		G/T	EIRP
		Rx	Tx		
SKY 98 (3 watt transmit)	98	19.2-20.2	29.5-30.0	20.9 dB/K**	51.8 dBW***
SKY 98 (5 watt transmit)*	98	19.2-21.2	29.0-31.0	20.9 dB/K**	54.0 dBW***
SKY 180 (3 watt transmit)	180	19.2-20.2	29.5-30.0	26.1 dB/K**	57.3 dBW***
SKY 180 (5 watt transmit)*	180	19.2-21.2	29.0-31.0	26.1 dB/K**	59.5 dBW***

* Support for co-polar and cross-polar signals

** Typical at 19.7 GHz, 25°C, 30° Elevation, clear skies

*** Typical at 29.5 GHz, P1dB

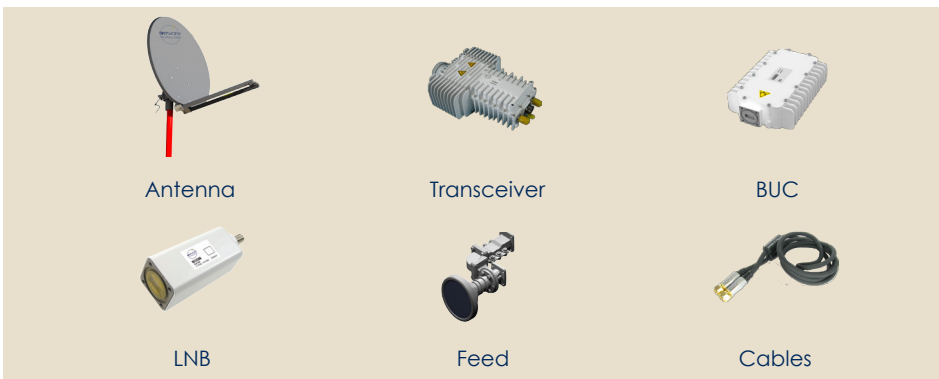


Inmarsat Global Xpress® configurations are available for all ATOM and SKY terminals.

Custom Terminal Solutions

Bundled pricing is available for custom terminal configurations.

Ku- or Ka-Band Systems



Transceivers



Ka-Band Transceivers

	Power (W)	Frequency range (GHz)		Polarization	Size (mm)	Weight (g)
		Rx	Tx			
XRC33F16CD	3	19.2-20.2	29.5-30.0	Circular Cross-Pol	204.4 x 121 x 77.5	1800
DRC Family	5	19.2-21.2	29.0-31.0	Circular Co-/Cross-Pol	256 x 201 x 104	3600
XRF Family	1.5 & 3	19.2-20.2	29.0-30.0	Circular Cross-Pol	208 x 100 x 49	1200

BUCs



Ku-Band BUCs

	Power (W P1dB)	Frequency range (GHz)	LO (GHz)	Weight (g)
TV Family	1.5-2	13.75 or 14.00-14.50	13.05 or 12.80	900
TS Family	3-4	14.00-14.50	13.05	1200
TA Family	16-100	14-14.5 or 13.75-14.5	13.05 or 12.80	3500-18000
TZ Family Mini BUC	1-3	14.00-14.50	13.05	<1000



C-Band BUCs

	Power (W P1dB)	Frequency range (GHz)	LO (GHz)	Weight (g)
TA Family	2-400	5.850-6.425 or 5.850-6.725	4.90	1600-32000

LNBS & LNAs



Ku-Band LNBS

	Frequency range (GHz)	LO (GHz)	Weight (g)
RS Family Full Ku-Band (switched by modem tone or mechanical switch)	10.70-12.75	9.75 or 10.60	170



C-Band LNBS & LNAs

	Frequency range (GHz)	LO (GHz)	Weight (g)
RA Family LNBS (PLL with internal or external ref or free running)	3.40-4.80	5.15 or 5.95	190-600
RA Family LNAs	3.40-4.20	N/A	640

Antennas



As part of a terminal package, Skyware Technologies offers a wide range of Ku-band and Ka-band antennas from 65cm to 2.4m.

Accessories



King Post Mount



NPRM



Anti-icing Equipment



Tri-mast Mount

- Non-Penetrating Roof Mounts
- Tri-mast Wall Mounts
- King Post Mounts
- 10/50 MHz Modem Reference Conversion
- Anti-icing Equipment
- Cables
- Auxiliary Power Supplies
- Handheld BUC controllers (TA-series)
- BUC redundancy controllers (TA-series)

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All designs, specifications and availabilities of products and services presented in this bulletin are typical and subject to change without notice.

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