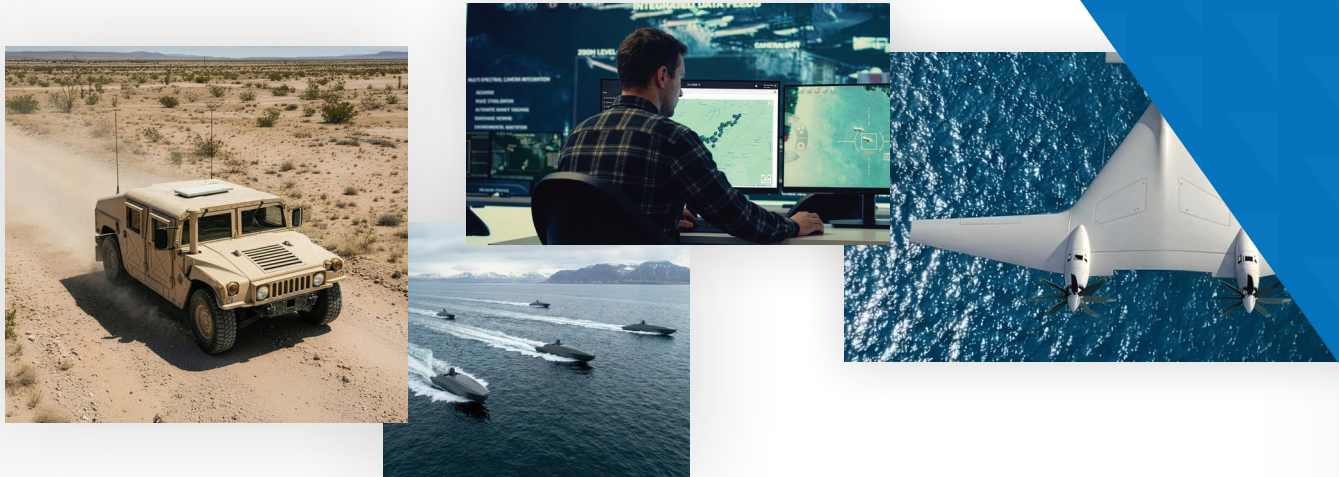


SmartLITE 16x16 Ku

Secure satellite communication and control for small, long range, manned and unmanned platforms.



P/N: HSK_DKU16SL_XXV1

Specifications

Frequency range	TX: 13.75-14.5GHz RX: 10.75-12.75GHz
Data capabilities	Typical Data Burst Rates GEO: 7-2000 kbps Typical data rate LEO: 0.5-20 Mbps
EIRP	Max: 32 dBW @ 0° scan Max: 28 dBW @ 60° scan
G/T	Max: 3 dB/K @ 0° scan Max: -0.5 dB/K @ 60° scan
Tx & Rx polarization	V, H, RHCP, LHCP, Electronically controlled
Receiver lock time	< 50 msec
Encryption	AES-256 (Optional)
Dimensions H / W / D	30 / 290 / 604 mm 1.18 / 11.41 / 23.77 inches
Weight	< 6 Kg / ~13 lb
User interface	One LED (Status), 1 Reset Button
Certifications	CE, FCC

Modem Specifications

Modulations	BPSK
FEC	1/3
Sensitivity	$E_b/N_o < 1.5 \text{ dB @ FEC} = 1/3$

Environmental Conditions

Operational Temperature	-20 °C to +55 °C / -4 °F to +131 °F
Dust and water ingress	IP67
Vibration	SAE J1455
Salt spray	SAE J1455

Power

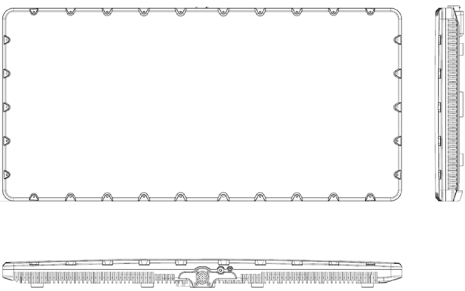
DC input range	10-34 VDC Pin Connector
Power consumption (typical)	Standby: < 15W, Tx & Rx: < 120W

Interfaces

Circular connector 14 pin	DC, Ethernet, Wake up I/O
Wireless	Wi-Fi, GNSS

Accessories

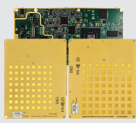
14 pin interface cable
Pole/Wall mounting kit
Car magnets mounting kit



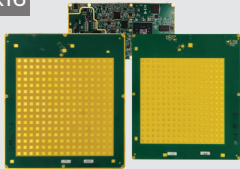
SmartLITE Terminals

On the move satellite communication solutions for air, land and sea.

8x8

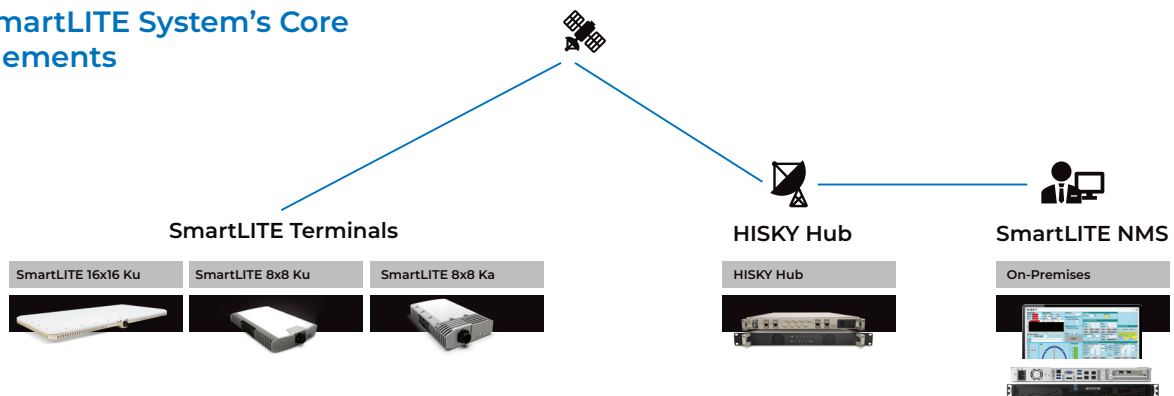


16x16



- ▶ Low Size, Weight, and Power (SWaP)
- ▶ End to End System - connect HQ to all your platforms
- ▶ Sovereign Network capability
- ▶ Private Network - complete control and security of all data transmissions
- ▶ Low Probability of Detection, Low Probability of Interception
- ▶ Fully Operational System already deployed
- ▶ Customized Integration for various platforms

SmartLITE System's Core Elements



Technology Trusted by Industry Leaders

KRATOS

ST Engineering
powered by
Newtec *iDIRECT*

INTELSAT
Now Part of SES

SES

esa
European Space Agency

HUGHES

SPACECOM

UK SPACE
AGENCY

SDF
صندوق تلمية
الطائرات الفضائية

nokiwave