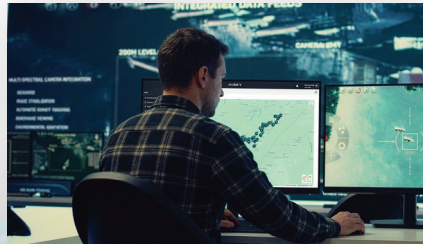


SmartLITE 8x8 Ka

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



P/N: HSK_DKA8_XXV2

Specifications

Frequency range	TX: 27.5-30GHz RX: 17.7-20.2GHz
Data capabilities	Typical Data Burst Rates GEO: 7-100 kbps Typical data rate LEO: 0.5-4 Mbps
EIRP	Max: 20 dBW @ 0° scan Max: 17 dBW @ 60° scan
G/T	Max: -6.2 dB/K @ 0° scan Max: -9 dB/K @ 60° scan
Tx & Rx polarization	RHCP, LHCP, V, H, Electronically controlled
Receiver lock time	< 50 msec
Encryption	AES-256 (Optional)
Dimensions H / W / D	42 / 244 / 141 mm 1.65 / 9.6 / 5.55 inches
Weight	1.4Kg / 3.08lbs
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

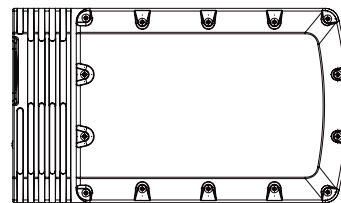
DC input range	10-34 VDC Pin Connector
Power consumption (typical)	Standby: < 8W, Tx & Rx: < 55W

Interfaces

Circular connector 19 pin	DC, Ethernet, RS-232 / RS-485, Wake up I/O
Wireless	Wi-Fi, GNSS

Accessories

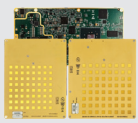
19 pin interface cable
Pole/Wall mounting kit
Car magnets mounting kit



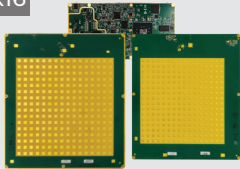
SmartLITE Terminals

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

8x8

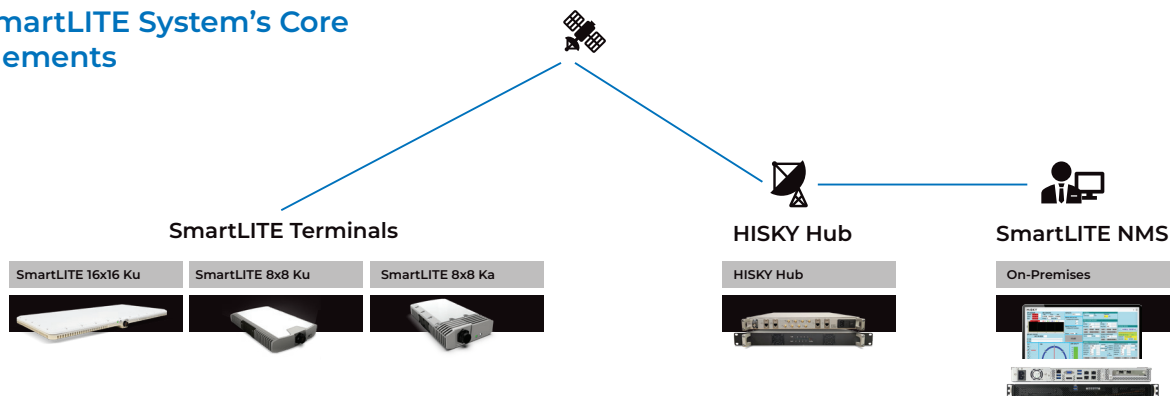


16x16



- ▶ 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