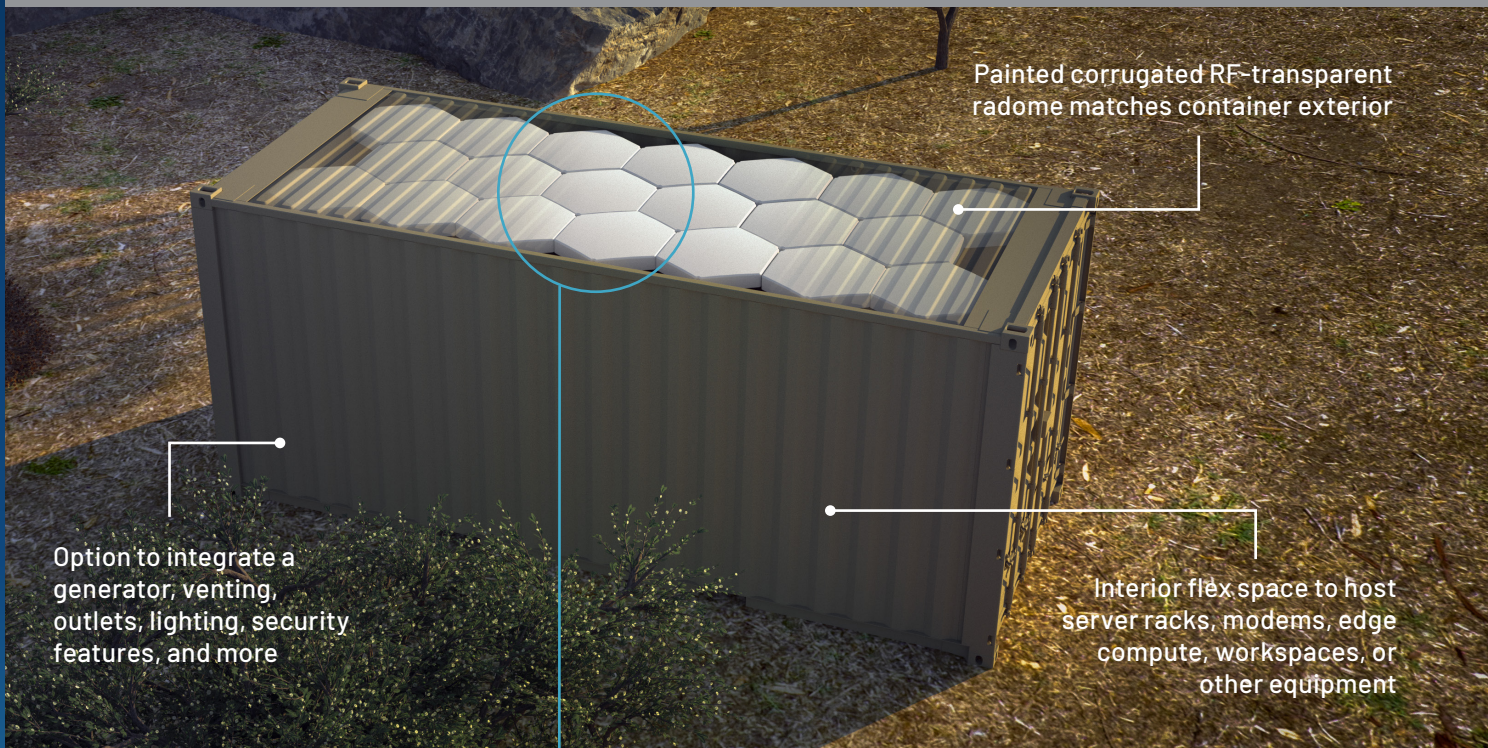


# Covert, Resilient, Transportable Ground Entry Points



**Our Containerized Digital Array features concealed panels, offering portability while being durable enough for long-term placement.**

### Key Features

- Simultaneous multi-beam/band/orbit/network
- Software-defined beamforming and agile tracking
- Low visual, heat, and wind signature
- Rapid deployment without precision alignment
- Low probability of interception/detection
- Redundancy & Site Diversity Gain benefit via proliferation
- Network agnostic including hopped/spread waveforms
- Ultra-low power consumption in any environment
- Infinitely scalable & reconfigurable, installable virtually anywhere
- Ultra-High reliability (MTBF) with zero routine maintenance
- High MTTR, hot swapping, graceful degradation
- Highest aperture efficiency (3x-8x higher than other phased arrays)

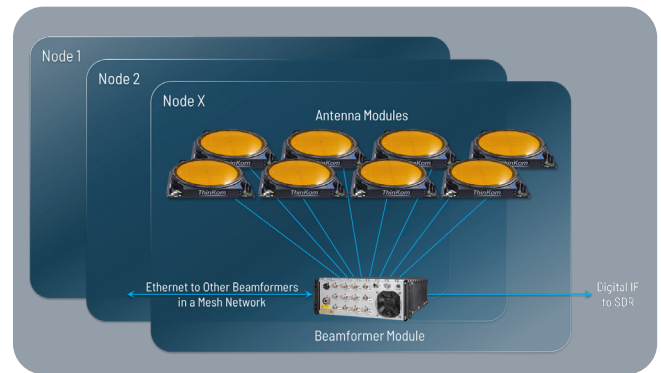
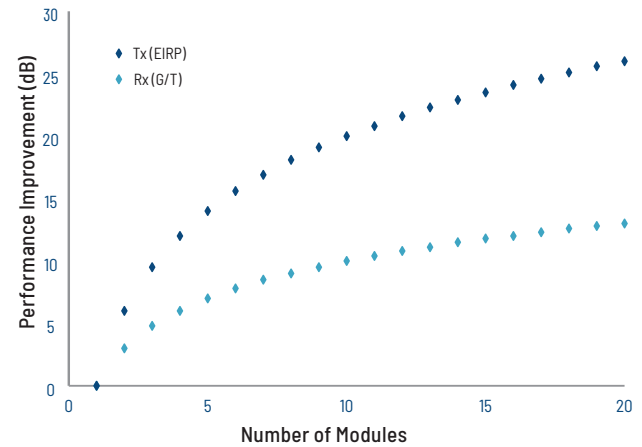
# Containerized Digital Array

for Fixed and Mobile Ground Entry Points

## Antenna Module Performance

	C-Band	Ku-Band	K-Band	EO Ka-Band	Ka-Band	Q-Band
Module Active Diameter	39" Rx	30" Rx/Tx	25" Rx	28" Rx	17" Tx	17" Rx/Tx
Single Module G/T (boresight)	13 dB/K	17 dB/K	17 dB/k	18 dB/K	N/A	15 dB/k
Single Module EIRP (boresight), 250W HPA	N/A	61 dBW	N/A	N/A	61 dBW	61 dBW
Instantaneous Bandwidth	250 MHz	250 MHz	500 MHz	1.5 GHz	750 MHz	2 GHz
Axial Ratio	< 1.5 dB typical					
Polarization	Switchable (co/orthogonal), simultaneous dual-pol mode					
Field of View	360° Azimuth, +10° to +90° Elevation					
Tracking Accuracy	< 0.2° (< 0.05° with electronic steering)					
Tracking Modes	Auto track, split beam, fan beam, monopulse, phase-continuous make-before-break handovers					
Orbital Regimes	LEO, MEO, GEO, HEO					
# Simultaneous Beams	Up to the number of antenna modules					
Beamformer Output	Analog or Digital IF					
Operating Temperature	-55°C to +74°C					
Environmental	Sand, dust, wind, humidity, salt, pollutants, corrosive contaminants, lightning, shock, vibration					
Survivability	Resistant against EMI, EMP, Radiation, EW/A, HPM. Inherent LPI, LPD, LO, AJ.					

## Performance Scaling of Digitally Combined Modules



## Part Numbering

**CDA** — **20** — **KM** **06** — **KAM** **12** — **S** — **X**

*Include additional frequency and quantities for each additional band desired*

PRODUCT SERIES	CONTAINER LENGTH	MODULE FREQUENCY BAND <sup>1</sup>		# OF MODULES <sup>2</sup>	EXTERIOR PAINT		CUSTOM OPTION CODES
Containerized Digital Array	2-Digit Number (feet)	CODE	FREQUENCY	2-Digit Number	CODE	COLOR	Inquire for application-specific requirements <sup>4</sup>
		C	3.7 – 4.8 GHz		S	Sand	<sup>4</sup> Racks, generators, venting, outlets, lighting, security features, COTM, wall-mount (roof-mount unless specified)
		KUR	10.7 – 12.75 GHz		B	Blue	
		KUT	13.75 – 14.5 GHz		G	Gray	
		KC	17.7 – 20.2 GHz		W	White	
		KM	17.7 – 21.2 GHz		C	Custom <sup>3</sup>	
		KAE	25.5 – 27.0 GHz				
		KAC	27.5 – 30.0 GHz				
		KAM	27.5 – 31.0 GHz				
		Q	43.5 – 45.5 GHz				

<sup>1</sup> L/S, X, V in development

<sup>2</sup> Discuss optimal container size for your desired # of antenna modules with Sales.

<sup>3</sup> Ask us about custom colors/patterns.

# ThinKom

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UEI: **POS2ANJ8ZDL6**

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