



DKET 3421*

To continually support changing mission profiles and areas of operation, deployed military units need flexible access to military and commercial satellite networks. Additionally, these units need equipment with the ability to rapidly deploy in order to support both long- and short-term operations. Based on field-proven DKET architecture that military users have relied on for over two decades, the DataPath DKET 3421 delivers the operational flexibility, capacity, connectivity and control required to ensure mission success anywhere in the world.

Deploying in less than three hours, the DKET 3421 provides an expeditionary network hub in the form of a single-skid earth terminal, 463L compatible and easily transportable.

KEY FEATURES

- 4.2M terminal with four modems in a 463L footprint
- X, Ku and Ka-Band operation (multi-carrier)
- Fiber optic IFL (remote modem operation)
- Scalable modem architecture (up to 32 modems)
- Universal power, 1 or 3 phase, 50/60 Hz
- Operational temperature up to +55 deg C
- <5,000 lbs (2,268 kg)

KEY BENEFITS

- Flexibility to leverage available satellite assets
- Interchangeable between military and commercial networks
- Easy transport over air, land or sea with military aircraft and vehicles
- Field-proven, reliable communications
- No civil works required



DataPath's family of custom satellite communications systems are supported by our end-to-end 24/7 support services and powerful MaxView® software for network automation and control. These rugged, field proven systems are designed for sustained and reliable operation and superior performance - anytime, anywhere.

*Patent Pending

SPECIFICATIONS

TECHNICAL SPECIFICATIONS		
Antenna Size	4.2m Carbon Fiber	
Certifications	WGS (in process)	
Compliance	FCC, Eutelsat, Intelsat	
Configuration	463L compatible pallet	
Frequency Bands	X, Ku, Commercial/Military Ka	
M&C	MaxView® Enterprise™	
Modems	Up to 32 per polarization	
Temperature	Operating: -30 deg C to 55 deg C Storage: -40 deg C to 71 deg C	
Wind Performance	X, Ku: 50 MPH gusting to 65 MPH Ka: 30 MPH gusting to 45 MPH	
Weight	<5,000 lbs. (2,268 kg)	
Power	1 Phase 120-240 VAC	50/60 Hz
	3 Phase 208-415 VAC	

RADIO FREQUENCY (RF)			
RF Parameter	X-Band (Multi Carrier)	Ku-Band	Ka-Band
Downlink Frequency (GHz)	7.25 - 7.75	10.95 - 12.75	20.2 - 21.2
Uplink Frequency (GHz)	7.9 - 8.4	13.75 - 14.50	29.0 - 31.0
Number of Feed Ports	4	4	4
Polarization	Circular	Linear	Circular
EIRP (dBW) Linear	72.7	75.3	78.2
G/T (dB/K) @10deg Elevation	27.2	31	33.7



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