

Product Brochure

DataPath DKET 3421

Field-Proven DKET Architecture,
Reliable Communications

Overview

Based on field-proven DKET architecture that commercial and military users have relied on for over two decades, the DataPath DKET 3421 delivers the operational flexibility, capacity, connectivity and control required to ensure success anywhere in the world.

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



Key Features

- 4.2m terminal
- 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 via a variety of aircraft and vehicles
- Field-proven, reliable communications
- No civil works required



Specifications

Technical Specifications	
Antenna Size	4.2m Carbon Fiber
Certifications	WGS, XTAR, Inmarsat GX, mPower (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
Weight	<5,000 lbs. (2,268 kg)
Power (50/60 Hz)	1 Phase, 120-240 VAC 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	10.7 - 12.75	17.7 - 21.2
Uplink Frequency (GHz)	7.9 - 8.4	13.75 - 14.50	27.5 - 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	28	31	32.5