

Product Brochure

DataPath DKET 4341

3.4m Full Motion Multi-Band/Multi-Orbit Transportable & Redeployable SATCOM Terminal

Overview

For mission-critical mobile ground station requirements, Gilat DataPath offers the modular 3.4-meter DKET 4341 SATCOM terminal, engineered on a 463L-compatible pallet for ease of air or ground transport. The DKET 4341 can be provided with an optional trailer with an integrated hydraulic lift for rapid deployment and transport. Furthermore, the terminal can be provided with a second skid hosting an environmentally controlled enclosure to house modems and baseband equipment or a customizable mobile data center with a command room. This streamlined design enables quick, efficient on/offloading in any operational environment.

The DKET 4341 terminal comes equipped with Gilat DataPath's MaxView® Network Management System. MaxView is a powerful solution that enables operators to see the state of the network, control multi-vendor devices, automate complex service tasks, and unify disparate systems into one view.

Use Cases

- Primary or backup/disaster recovery communications
- Earth Observation (EO) and imaging
- Telemetry, Tracking, and Command (TT&C)



Key Features & Benefits

- Multi-band (L through Ka)
- Multi-orbit LEO/MEO/GEO/HEO with X-Y pedestal
- X-Y travel $\pm 90^\circ$ continuous, up to $10^\circ/\text{sec}$
- RF flexibility with multiple band options
- High reliability/availability
- Low SWaP optimized single skid with small footprint
- Ease of operation and assembly (tool-less, less than 1 hour)
- No civil works required
- Installation repeatability
- Structural robustness for Ka-band operation
- Meets regulatory and certification requirements
- Operational/survivable: -22 to $+55/-30$ to $+70$ ($^\circ\text{C}$)
- Operational/survivable: 30 gusting to 45/100 (MPH)



Options

- X-band low PIM
- Anti-ice
- Multiple transport configurations
 - Trailer for transport
 - Second skid with environmentally controlled enclosure
 - Dismountable remote data center



Gilat DataPath's design emphasizes field readiness: ruggedization for harsh environments, fast setup and teardown, maintainability in theater, and flexibility to operate on different frequency bands and networks where required. This enables operators to match the terminal to the mission while retaining the confidence that each system is proven, supported, and scalable in operational use.

As tactical communications evolve toward dynamic, multi-band/multi-orbit operations, terminal infrastructure must evolve accordingly. Gilat DataPath's tactical terminal portfolio combines combat-proven reliability with modern modular design, enabling defense and government users to deploy faster, operate more flexibly, and maintain communications superiority across any environment and mission profile.