Q-SERIES
Antenna Systems
Extremely Rapid Deployment

News crews, industrial workers and first responders require durable, portable terminals for quick connectivity in remote locations. DataPath developed the Q Series of antennas to provide reliable, high-performance satellite communications when your operation calls for connectivity on the go. The systems are lightweight, easy to use, highly transportable, and quick to set up and stow.

The Q75 antenna system is available in a standard base configuration or it can be customized with pre-bundled or customer-furnished components, including:

- Commercially available BUCs / LNBs
- Ku-band or commercial Ka-band transceivers
- Inmarsat GX kit
- Assisted manual pointing tool
- Controller with a standard L-band connection for use with external modems
- Integrated modems including iDirect 850MP, iDirect X7, Comtech DMD1050T, Teledyne Q-lite, and Newtec MDM3100

Solutions in the Q Series of antenna systems range from the Q75i, an open-feed configuration suitable for integrators, to the Q75T, a fully integrated terminal available in X-band and Military-Ka band for military use.

PACKS INTO ONE AIRLINE CHECKABLE CASE
Easy transport and deployment

FIELD-PROVEN & TESTED
Withstands wind-drag, rain, dust, and other environmental hazards

SIMPLIFIED TWO-PART DESIGN
Establish connectivity in less than five minutes with minimal training

MODULAR & HIGHLY CONFIGURABLE
Systems scale through shareable replacement components to suit changing needs for lower total cost of ownership

SPECIFICATIONS

	Q75			Q75-GX
Band	Ku (15W or 40W GaN**)	Ku (8W, 16W, or 40W)	Commercial Ka Telenor (10W)	Commercial Ka GX (5W)
Reflector	0.9 x 0.59 m (35.4 x 23.2 in)			
Antenna Positioning	Assisted manual pointing by GUI (GNSS)	Manual (assisted pointing tool available)	Manual (assisted pointing tool available)	Assisted manual pointing by GUI
Azimuth Range	360°, fine adjust +/-20°			
Elevation Range	10° to 90°			
Operating Temperature	-32°C to +55°C (-26°F to +131°F)			
Storage Temperature	-40°C to +71°C (-40°F to +159°F)			
Operational Wind Speed	Max 72 km/h (45 mph) with integrated windstays			
Packaged Weight & Dimensions	95 x 51 x 48 cm (37.4 x 15.4 x 18.9 in) <32 kg (<70 lb) including hard transit case			
Power	AC: 90-264, V AC 45-66 Hz DC: 11-36 V DC	N/A	AC: 90-264, V AC 45-66 Hz DC: 11-36 V DC	AC: 90-264 V AC, 47-63 Hz
Certifications	SkyNet, Eutelsat, Intelsat, Sicral, Athena Fidus, and SES; CE Certification (1999/5/EC R&TTE)	Depends on configuration	CE Certification (1999/5/EC R&TTE); Telenor Thor7 type approval	CE Certification (1999/5/EC R&TTE); Inmarsat GX type approval
Polarization	Cross-pol linear, reversible	Linear, manual	Circular, reversible	Circular, reversible
Transmit Frequency (GHz)	13.75 to 14.5	13.75 to 14.5	29.0 to 30.0	29.0 to 30.0
Receive Frequency (GHz)	10.7 to 12.75	10.7 to 12.75	19.2 to 20.2	19.2 to 20.2
EIRP, Min @ mindband (dBW)	15W: 50.4 @ P1dB 40W: 53.5 @ Pmax lin	8W: 47.0 @ Pmax lin 16W: 50.0 @ P1dB 40W: 53.0 @ Pmax lin	53.9 @ Pmax lin, spectral regrowth < -20 dBc -	50.9
G/T (dB/K)	17.5 @ 20° elevation	16.0 (typ. @ midband)	17.5 (min)	17.5 (min)

*Specifications may vary; dependent on bundled or customer-furnished components
**Equivalent to 50W GaAs

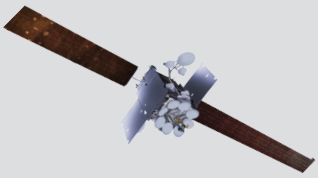
AUXILIARIES: Backpack, Soft Transit Case, Surface Mounting Kit, Protective Tent

COMPLEMENTARY SOLUTIONS

GATE SERIES
Remote Networking Systems

RPM SERIES
Portable Power Modules

MAXVIEW ENTERPRISE
Network Monitor and Control Software



MANAGED NETWORK SERVICES
Satellite Capacity in Various Bands

Specifications subject to change without notice.
ITAR/EAR Notice: Non-controlled material

MARCH 2017

© 2017 DataPath. All rights reserved.

ABERDEEN MD | ATLANTA GA | WASHINGTON DC
DUBAI | NEW DELHI | SINGAPORE | STOCKHOLM