



Product Brochure

C-Series Portable Satellite Antenna Terminals (PSATs)

Quick Deployment

First responders, broadcast correspondents, and industrial workers cannot get their jobs done without reliable communications. In addition to being highly dependable, these users' communications equipment also must be quick to deploy, adaptable, and transportable. Designed for ease of use, Gilat DataPath's motorized, auto-acquire terminals are the world's quickest-to-air antenna systems and the ideal solutions for these and other commercial applications.

Future Proof

A modular system allows you to change key characteristics of your C-Series system, maximizing your investment and enabling true flexibility to easily adapt to future needs.

Flexible

The unique CCTSmart Distributed System (SDS) automatically adjusts to different system configurations for hassle-free operations, fast-to-air satellite connectivity.

Easy to Use

The common, intuitive interface on all C-Series products allows users to become quickly fluent on all C-Series terminals.

Integrated Terminal

Our C-Series systems are fully integrated into a single unit for easy assembly, handling and transportation, reducing the risk of lost or damaged interconnect cables.

Field-Proven and Tested

Our compact antennas and systems are designed to withstand wind-drag, rain, dust and other environmental hazards.

From Cased to Connected

With no tools needed, easy one-person operation and intuitive GUI with fully automatic point-and-shoot antenna controls, your C-Series system will be ready for transmission in minutes.

Easy Setup and Operation

Assemble and disassemble the antenna's four segments with no tools needed.

Broad Compliance

Meets Intelsat, Eutelsat, Telenor and Inmarsat GX compliance standards.

Transportability

Customizable case solutions including IATA-compliant single hard case and soft backpack options.

Field-Proven and Tested

Withstands wind-drag, rain, dust, and other environmental hazards.

Modular and Highly Configurable

Systems scale through shareable replacement components to suite changing needs for lower total cost of ownership.



Technical Specifications

Model	C120	C120-GX
Band	Ku	Commercial Ka (Inmarsat GX)
Reflector	1.2 x 0.84 m (47.2 x 33.1 in); Carbon fiber	
Antenna Positioning	Auto-acquire (rack-mounted controller)	
Azimuth Range	±90°	
Elevation Range	10 ° to 90°	
Operation Temperature	-32°C to +55°C (-26°F to +131°F)	
Storage Temperature	-46°C to +71°C (-51°F to +160°F)	
Operational Wind Speed	Up to 72 km/h (44.7 mph)	
Weight	21 kg (46.3 lb)	26.2 kg (57.8 lb)
Polarization	Linear, Cross pol	Circular
Transmit Frequency (GHz)	Dual LO, 14.0 - 14.5 or 13.75 - 14.50	29.0 - 30.0
Receive Frequency (GHz)	10.70 - 12.75	19.2 - 20.2
EIRP, Min @ midband (dBW)	Varies depending upon configuration	54
G/T @ 20° elevation (dB/K)	Varies depending upon configuration	19.3

Auxiliaries: Surface Mounting Kit, Protective Tent, Ethernet Extender