

WGS TERMINAL 120 X/KA



◎ ***Deploys fast to save you from a world of trouble.***

Introducing the WGS Terminal 120
Especially developed to match the capabilities of the new WGS Satellites.
The quickest-to-air terminal in the world.

The new SWE-DISH WGS Terminal 120 is the perfect combination of compact lightweight design and capabilities enabling the full potential of the new WGS Satellites - Enabling your commanders in the midst of action, access real broadband connection in a small package. The WGS Terminal features multiple modules: a plug-in modem, an antenna system, a controller, and a transceiver, all of which can easily be replaced and used with current and future SWE-DISH CCT products. Different modules supporting different frequency bands, power levels and modem types are available.

KEY FEATURES

X- and Ka-band in the same terminal – change between bands and power in less than three minutes – minimizing your investment and at the same time maximizing your flexibility.

From case to contact in under 5 minutes – with no tools required, easy one-man operation, an intuitive GUI, and fully automatic point-and-shoot antenna control, it's easy to see why it's the world's fastest terminal.

Compliant to military standards – constructed of rugged materials like carbon fiber, aluminium and magnesium and rigorously tested to surpass the toughest conditions and standards.

Compact, with two transport options – not only is it the smallest terminal on the market, but its modular design makes it easy to pack for airline check-in or courier options.

Small antenna, high transmission data rate – a highly efficient Gregorian dual offset elliptical antenna and a low loss feed system achieves up to 10 Mbits/s.



SWE DISH
A DATA PATH COMPANY



SWE-DISH.COM

WGS TERMINAL 120 X/KA

GENERAL

| | |
|------------------------|--|
| Antenna aperture | 1.2 x 0.84 m (47.2 x 33.1 in) Gregorian offset antenna |
| Antenna positioning | Automatic positioning through GPS, electronic compass and inclinometer |
| Azimuth range | ± 90° in 0.1° steps |
| Elevation range | 10 – 90° in 0.1° steps |
| Size (app) | 67 x 45 x 30 cm (26.4 x 17.7 x 11.8 in) |
| Weight (app) | 43 kg (94.8 lb) option: 41 kg (90 lb) |
| Operating temperature | -32° C to +50°C (-26° F to +122° F) |
| Storage temperature | -40° C to +70°C (-40° F to +158° F) |
| Operational wind speed | Max 20 m/s (45 mph) |
| Operational altitude | Max 3,000 m (9,850 ft) |
| Sealing class | IP65 |
| Packaging options | Courier box OR IATA cases |

PERFORMANCE

X 60W

Ka 30W

| | | |
|---------------------|----------------------|----------------------|
| EIRP | 54.0 dBW | 63.0 dBW |
| G/T @ 20° elevation | 15.0 dB/K @ 7.5 GHz | 20.9 dB/K @ 20.7 GHz |
| Polarization | Circular, reversible | Circular, reversible |
| Transmit frequency | 7.9 – 8.4 GHz | 30.0 – 31.0 GHz |
| Receive frequency | 7.25 – 7.75 GHz | 20.2 – 21.2 GHz |
| Polarization range | N/A | N/A |

MODEMS

iDirect

SCPC

L-band

| | | | |
|------------------|---|-------------------------|------------------|
| Exchange time | Less than 3 minutes to change between modems | | |
| Features | IP accelerator, Advanced M&C through unified GUI, CCT SDS | | |
| Network topology | Star, Mesh & Point-to-Point | Point-to-Point & Star | N/A |
| Modulation | BPSK, QPSK, 8PSK | O/QPSK, 8PSK, 16QAM | N/A |
| Data interfaces | LAN A and LAN B | Serial and 2xLAN Bridge | Tx + Rx (L-band) |
| M&C interfaces | Monitor port (L-band) | Monitor port and LAN | LAN and RS232 |