



## SATELLITE COMMUNICATION Ku BAND PORTABLE TERMINAL



This terminal is a portable, which is able to provide Data/Voice/Audio transmission service. It includes RF Module, Base-band Module and Controller in a box as Briefcase size.

It provides a quick set-up in 10minutes using auto-positioning function without any tools. GPS/Inclinometer/Electric Compass/Signal Analyzer in this case aid in antenna pointing. It transmits up to 5Mbps on IP base network and high quality data up to 37.5Mbps optionally.

### Features

- Portable Earth Terminal
- Easy to Installation and Operation
- Antenna Set-up and Stowing
- Auto-positioning
- Ku-band 13.75~14.5 GHz / 10.95~12.75 GHz
- 0.75m Dual offset antenna composed of 4 pieces
- TCP/IP Interface - Optional EIA-422 /LVDS-DVB/ASI-LVDS
- Wireless Remote Control
- Motorized Alignment on Azimuth, Elevation, and Polarization
- Graphic User Interface
- Fast Set-up : less 10 minutes
- Back-up Battery: Max. 2 hours operation
- Operation Temperature : -20 C ~ +50 C

### Application

- VSAT Remote terminal
- Broadcasting
- Backup Network for Emergency
- IP Phone/Web Access/FTP
- Digital Video Broadcasting
- Video Conferencing
- Rural Telephony
- SCADA/DAS



## Specifications

Model No./ SPEC	Ku-Band Satellite Portable Terminal
<b>Antenna</b>	
Size & Feed Type	0.75M Offset Gregorian Type
Polarization	Linear
<b>RF Performance</b>	
Tx Frequency	13.75 ~ 14.5 GHz
Rx Frequency	10.95 ~ 12.75 GHz
EIRP	52.3 dBW
G/T	13.5 dB/K
<b>MODEM Performance</b>	
Modulation Method	QPSK (Optional BPSK / 8PSK)
Transmission	19.2kbps ~ 5Mbps (Optional DVB Compliant up to 37.5Msps)
Receive	19.2kbps ~ 5Mbps (Optional DVB Compliant up to 37.5Msps)
FEC	Convolutional / Viterbi Codec (Optional RS Codec. Turbo Codec)
<b>Interface</b>	
Data	RJ-45, 10/ 100 Base T (Optional EIA-422 / LVDS-DVB / ASI-LVDS)
Video (MPEG-2)	Optional
<b>Mechanical</b>	
Dimension	750mm * 500mm * 300mm
Weight	< 36 Kg (without Battery)
Case Material	Carbon
<b>Environment</b>	
Operation Temperature	- 20 C ~ + 50 C
Operation Humidity	95% non-condensing
Storage Temperature	- 40 C ~ + 70 C
Power Requirement	100/200 VAC. 50~60 Hz/ 600 W Maximum Optional Battery 30 min/1 hr/2 hr