



### Overview

0.98m integrated terminal station adopt RF baseband integration design, which could realize satellite network based internet access with one single cable connected indoors. This design increases integration level of equipment while the difficulty of operation is reduced. This system could also be quickly assembled in various conditions, to realize emergency access and bidirectional connection with backside communication terminal. When the constructed land communication link is stacked or fails to connect, the integrated terminal station could quickly switch to operational network. Multiple terminals could be deployed and operate concurrently based on realistic task condition.

### Features

- Integrated, low cost design
- Support TCP and HTTP acceleration
- Support QoS safeguard mechanism
- Star Topology Architecture
- Transceiver design, easy to install
- High reliability

### Application

- Support voice transmissions
- Support video transmissions
- Support data transmissions
- Support broadband Internet access



## Specifications

<b>Technical features</b>	
Antenna aperture	0.98m
Working frequency	TX: 28.1~30GHz    RX: 18.7~20.2GHz
Power Amplifier	2.5W
Transmission rate	Download: 80Mbps    Upload: 5Mbps
Business type	Supporting video, audio, data, graphic business. Business type could also be expanded
<b>Antenna</b>	
Gain	TX: 47.4dBi@30GHz    RX: 44dBi@20.2GHz
SWR	≤1.2:1
Cross polarization isolation	Transmit: ≥24dB@29.3GHz~30GHz, ≥22dB@28.1GHz~29.3GHz Receive: ≥22dB@17.8GHz~20.2GHz
Antenna noise temperature	max 58K@E130°
Weight	≤18Kg(pedestal not included)
Working Temperature	-40℃~+60℃
<b>integrated terminal</b>	
Standard	Forward: DVB-S2x/TDM    Return: DVB-RCS2/MF-TDMA
Modulation strategy	Forward: QPSK、8PSK、16APSK、32APSK、64APSK、 128APSK 256APSK    Return: QPSK、8PSK
Roll-off factor	Forward: 0.05、0.10、0.15、0.2、0.25、0.35    Return: 0.2
Equipment management	Support SNMP network management system
Size	256mm×120mm×81mm (including feed source )
Power consumption	≤50W
Weight	≤1.8kg
Working Temperature	-40℃~+60℃