



Features

- Exceptional Flexibility
- Remotely Upgradeable
- 36 Mbps Sustained Throughput
- Small Footprint
- DVB-S/DVB-S2 Compliant
- RJ45 10/100Base T Ethernet Interface
- Received data available to any Host on the LAN
- PID Filtering or Unlimited PIDs
- Application Transparent

Applications

Model S4020 ROT is perfectly suited for consumer, or small-medium enterprise, or education use, delivering IP based applications like distance education, file distribution, streaming content, Internet over satellite and broadcast TV to a single host or to a network of hosts. The ROT can also easily be used for embedded or special function applications that require low-level access to the DVB transport stream.

Outdoor Unit

The ROT is offered with a number of antennas, including:

- Ku Receive-only 0.75meter metal antenna reflector, with offset, linear feed
- Ku LNBF, integrated with feed
- Side wall mount

Overview

As a DVB-S and DVB-S2 receiver, the Model S4020 Receive Only Terminal (ROT) offered by Advantech Wireless brings superior throughput performance and flexibility to a very cost-effective solution.

The ROT unit enables delivery of the next generation of broadband services. Its RJ45 Ethernet connection provides powerful and distinct installation, performance, and maintenance advantages over other form factors. Installation of the ROT is easy and non-invasive as the host equipment does not need to be opened, nor are any drivers required.

The ROT IDU works with any operating system and makes the received data available to any host on the LAN. The ability to forward unicast IP, or raw DVB, such as broadcast television, over IP onto the LAN provides powerful flexibility to the user. Throughput performance and functionality exceeds comparable offerings, making the ROT an exceptional value in its class.



S4020 Receive-Only Terminals



SATNET S4020 DVB-S/DVB-S2 ROT

Network Architectures	Broadcast, Point-to-Multipoint
Sample Services	UDP/IP, Unicast, Multicast, Broadcast Protocols, SNMP, ICMP, IGMP, RTP
Air Interface	Downstream (hub to remote): - DVB-S (QPSK), DVB-S2 CCM (QPSK & 8PSK), DVB-S2 VCM (QPSK, 8PSK & 16APSK) - Encapsulation: IP over MPEG
Coding	RS/Convolutional or LDPC on the downstream
Data Rates	Can receive the entire DVB-S2 90 Mbps carrier with a maximum Ethernet throughput of 36Mbps
Network Interface	Ethernet 10/100 BaseT, RJ45 connector
ODU Interface	L-Band Rx; F-Female type connector; supplies DC voltage and 22 kHz tone to LNB
Network Management	SNMP-based and GUI-based management, dual software loads, downloadable software upgrade over the air
Supply Voltage	100-240 VAC; 50Hz / 60 Hz
Certifications	CE, FCC, UL, CSA
Outdoor Unit	Outdoor Units should be dimensioned for each satellite & application on a case by case basis to satisfy needs & requirements
Variables	- Data Rate - Dish size - Link Quality - Availability

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