

S6040 Dual DVB-S2 Receiver



Features

- Dual DVB-S2 (CCM / VCM / ACM) receiver/demodulator up to 155 Mbps with IP throughput up to 36 Mbps on each receiver/demodulator
- GUI-based control panel
- Easy-to-configure Ethernet connectivity to a PC, LAN or Router
- Easy and simple installation 19 inch, 1U rack mountable
- Low cost
- VPN and accelerated VPN support (optional)

Sample Applications:

Video Streaming, Content Distribution, Can be used in remote locations when Rx-Only operation is required, or within a central location when operating a point-to-multipoint SCPC network.

Sample Markets:

- Enterprise
- Governmental
- Service Provider/Network Operator

Overview

Advantech Wireless' S6040 Dual Receive-Only terminals are DVB-S2 capable and provide one-way IP connectivity with industry leading performance at an extremely low price. They are optimized to achieve high-performance for enterprise, service provider & governmental applications.

The terminal has been designed with all key IP features to fulfill professional needs. Two independent DVB-S2 receivers are packaged in a 19-inch 1U rack mountable chassis, which makes it ideal for high end use. The S6040 supports DVB-S2 operation, providing a one-way system with the high bandwidth efficiency of DVB-S2. Perfect as the demodulator system for Advantech's novel A-SAT™ network solution.

The S6040 offers powerful connectivity directly to a LAN/WAN environment or to a host computer. A truly corporate solution, it is an out-of-the-box, ready-to-go, cost-effective broadband solution. For DVB-S2 applications and for high end government and enterprise use, the S6040 allows the optimized use of satellite bandwidth. Each of the two receivers are designed to support unicast or multicast traffic up to 155 Mbps on the DVB-S2 link, the S6040 is ideally suited for all DVB-S2 needs.

Technical Specifications

Network Architectures:	Receive Only
Sample Services	DVB-S2, UDP, Multicast
Air Interface	Receive: - DVB-S (QPSK), DVB-S2 (CCM/VCM/ACM) (QPSK, 8PSK, 16APSK, 32APSK) - Encapsulation: IP over MPEG with section packing
Receive Coding	RS/Convolutional or LDPC on the receive (all DVB-S2 MODCODs supported)
Data Rates	Each receiver can independently receive the entire DVB-S2 155 Mbps carrier with a maximum IP throughput of 36 Mbps
Receive Rates	128 ksymb/s — 45 Msymb/s
Network Interface	Ethernet 10/100 BaseT, RJ45 connector (one for each receiver)
ODU Interface	Rx: 950-2150 MHz; F-type connectors (one for each receiver)
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
Power Consumption	24W
IDU Operating Temperature	0C to +55C, 5% to 90% humidity, non-condensing
IDU Storage Temperature	-20C to +70C, 5% to 90% humidity
Operating Altitude	Up to 3000 m
Weight & Dimensions	6.5 kg, D31.5 cm x W43.5 cm x H4.5 cm (1RU high)
Certifications	CE
Frequency Combinations	Support of ODUs in C, Ku, Ka and X-Band

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Ref.: PB-S6040-001-13150