Digital Headend/CATV

SIP Series — Satellite Transponder to IP Receiver

- Receives 8 or 16 full transponders of data or IP video/audio for output as GbE IP packets
- Supports DVB-S and DVB-S2 QPSK and 8PSK modulation
- Provides two GbE output ports for network segmentation
- Supports for UDP, MPE, RTP protocols
- Provides a 10/100BaseT Ethernet management port
- Integrated web server allows local or remote access from a PC with standard Internet browser
- Web pages provide simple, easy navigation of all status and setup parameters
- Highly integrated 1RU rack mount
- Support for external DC redundant powering

Specifications

SATELLITE INPUTS (FROM LNB)

Connectors	Four/Eight F-female
Impedance	75Ω
Frequency Range	950-2150 MHz

MODULATION RATES

DVB-S	1 to 45 Msps
	1/2, 2/3, 3/4, 5/6, 7/8
DVB-S2	5-33 Msps
	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
8PSK Turbo, Turbo FEC QPSK	2 to 30 Msps
	2/3, 3/4, 4/5, 5/6, 8/9
Input Level per Carrier	-20 to -65dBm
Acquisition Range	±5 MHz
Tuner Step Size	100 kHz
Return Loss	>9 dB
LNB Power and Control Output	11.5 to 14.0, 16.0 to 19.0 volts, or off/blocked and 22 kHz/off

GIGABIT ETHERNET OUTPUTS

Input Connector Type	2 x RJ-45
Layer 1 Ethernet	GbE (1000 Base-T)
Layer 2 Addressing/Protocols Unicast	(IP address and Port), Multicast
Protocols supported	MPE, RTP

ADDITIONAL INPUTS/OUTPUTS

Alarm Contact NO	Switches up to 50 mA
Mute Input	GbE Outputs off on short

GENERAL

INTERNAL AC POWER SUPPLY

Line Voltage	93-254 VAC, 47-63 Hz
Power Consumption	40 W

EXTERNAL DC POWER BACKUP

Voltage	12VDC±5% VAC
Current	(with no LNB powering)

Ordering Information

SIP800	8 Transponder IP Receiver
SIP1600	16 Transponder IP Receiver
X-PS	External Redundant Power Supply