

Multi-Channel Satellite Receiver



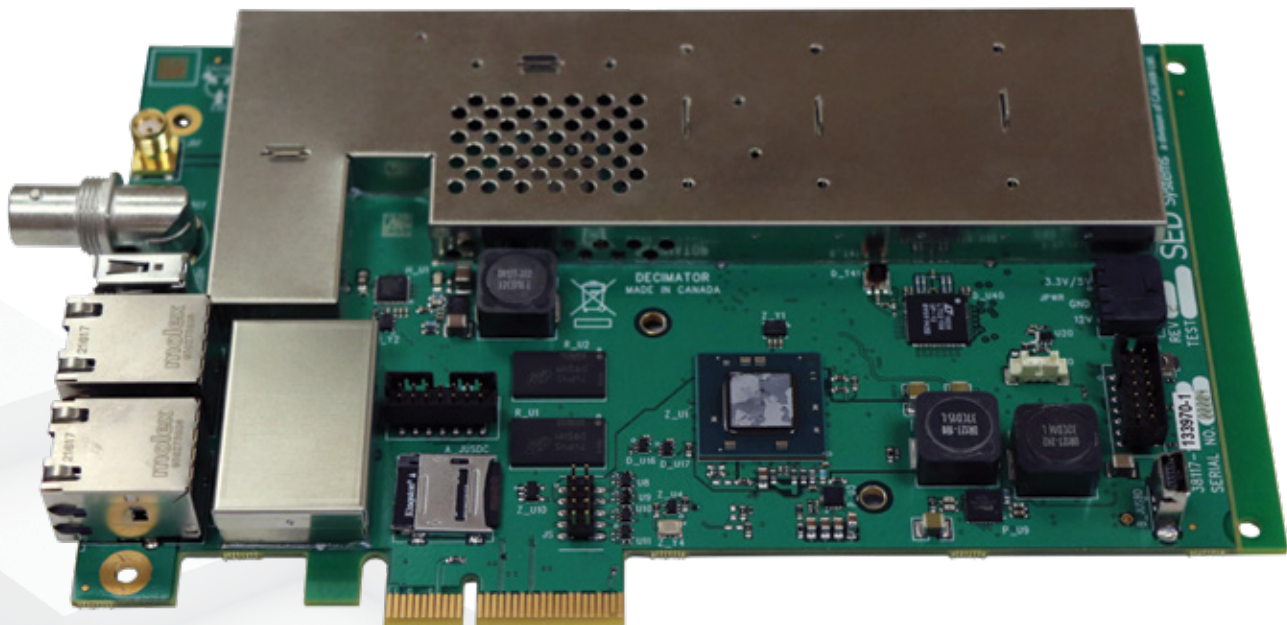
Cost-Effective Measurement Performance

Calian, Advanced Technologies' Multi-Channel Satellite Receiver provides tuning and demodulation capabilities for DVB-S/S2/S2X signals.

With a PCIe card or a Gigabit Ethernet data output, the receiver provides flexibility and full support for output of up to eight data transport streams from a single RF input.

An ethernet management port offers easy access to the user interface using any standard web browser. Alternatively, a custom application provides the user interface for monitor and control when operating the receiver over the PCIe interface.

An SNMP-based monitor and control interface and an application programming interface (API) are provided for connection to external management systems.



Specifications

Demodulation:

Modulation	DVB-S/S2/S2X
Modulation Types	
QPSK	FEC Rates: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
8PSK	FEC Rates: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
16APSK	FEC Rates: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
32APSK	FEC Rates: 3/4, 4/5, 5/6, 8/9, 9/10
Symbol Rate:	2 to 45 MBaud
Roll-off Factor:	20%, 25%, 30%

L-Band Output:

Connector	SMA connector, female, 50 Ω
Return Loss	-14 dB (typical)
Frequency Range	950 to 2350 MHz
Input Level (Composite)	-50 to 0 dBm

Data Output:

Data Interface	Ethernet RJ45 connector, 1000 Base-T or PCIe
Data Format	UDP/RTP over IP CoP3, (release 2) column encoding
Multicast	IGMP v2/v3

Monitor and Control:

M & C Interface	Ethernet RJ45 connector, 10/100/1000 Base-T or PCIe
Remote Mode	SNMPv2c, via ethernet interface API via PCIe
Web Mode	Firefox, Chrome, Internet Explorer, alarm log, via ethernet interface
Supported Operating Systems	Linux, Windows 7/8/10

Physical Attributes:

Mechanical	Half size PCIe card 6.875 by 4.2 inches
Power	PCIe or 3-pin Molex connector 12/3.3 + 0.5VDC, 10W
Temperature	Operating: 0° to 50° C Storage: -20° to 70° C
Humidity (operating)	0% to 50% noncondensing 20% to 80% noncondensing
EMC/EMI	BS EN 61000-6-2:2005 BS EN 55022:2006 FCC Title 47, Part 15, Class A
Safety	CAN/CSA-22.2 No. 60950-1-07

All specifications at 25°C unless otherwise noted and are subject to change without notice.

Contact Peter today.

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