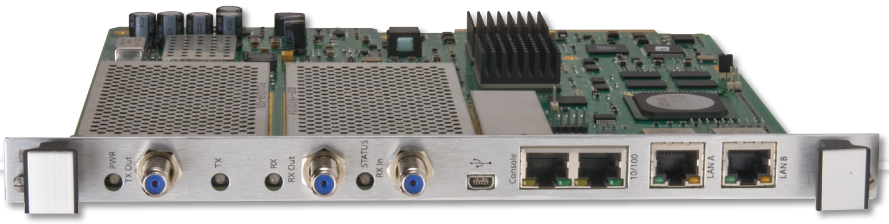
Evolution XLC-10
Line Card



The Evolution XLC-10 line card features the DVB-S2 standard with Adaptive Coding and Modulation (ACM) on the downstream. This transmit-only line card fits in any universal hub chassis and supports data rates up to 149 Mbps, which makes network expansion simple and easy. In conjunction with a demodulator line card (such as XLC-M, XLC-11) it is ideally suited for broadband applications such as Internet and VPN access to enterprise networks, along with real-time VoIP and videoconferencing

Network Configuration

Modem	One Modulator (Transmit one downstream carrier)	
		Downstream DVB-S2/ACM
Modulation		QPSK, 8PSK, 16APSK
FEC		LDPC 1/4-8/9
Maximum Carrier Rates	Symbol Rate	45 Msps
	Info Rate	150 Mbps
	IP Data Rate	149 Mbps *(16APSK, 8/9 FEC)*
Interoperability	Compatible with Series 15000 and 15100 Universal Hub (5IF/20Slot) and Series 12000 Universal Hub (4-slot) Compatible with Evolution Series remotes Requires iDX 1.0 software or above	

Interfaces

SatCom Interfaces	TxIF: Type-F, 950–1700 MHz, +5/-20 dBm power
Data Interfaces	LAN: RJ-45 Two 100/1000Base-T, one 10/100Base-T RS-232: RJ-45 (console connection)

Mechanical/Environmental

Redundancy	Software Controlled, Hot-Swappable, and Auto-Failover
Weight	~1.2 lbs (0.6 Kg)
Operating Temperature	0° to +45°C (+32° to +113°F)
Radio Standards (System Level)	EN 301-428 v1.3.1 — Ku-Band System Level Specification EN 301-443 v1.3.1 — C-Band System Level Specification
Safety Standard (System Level)	Complies with IEC 60950, EN 60950-1, UL 60950-1, CSA C22.2 No.60950-1-03
Emission Standard (System Level)	Complies with EN 55022 Class A, FCC Part 15 Class A, CISPR 22 Class A, EN 61000-3-2, EN 61000-3-3
EMC/Immunity Standard (System Level)	Complies with EN 55024, EN 301-489-1, EN 301-489-12, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11
Certification	FCC, CE, and RoHS Compliant

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Specifications are subject to change without notice