

Evolution XLC-10 Line Card



The Evolution XLC-10 line card features the DVB-S2 standard with Adaptive Coding and Modulation (ACM) on the outbound (or downstream), as well as iNFINITI TDM. The line card fits in any new or existing universal hub chassis and supports data rates up to 138 Mbps, which makes network expansion simple and easy. 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) <u>Downstream (DVB-S2/ACM)</u>
Modulation	QPSK, 8PSK, 16APSK
FEC	LDPC 1/4-8/9
Maximum Carrier Rates	Symbol Rate 45 Msps Info Rate 150 Mbps IP Data Rate 138 Mbps (16APSK, 8/9 FEC)
Interoperability	Compatible with Series 15000 Universal Hub (51F/20Slot) and Series 12000 Universal Hub (4-slot) chassis Compatible with Evolution Series or iNFINITI 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) USB port
10 MHz Reference	10 MHz reference to BUC*

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

*For Series 12000 Universal Hubs only

iDirect

13865 Sunrise Valley Drive
Herndon, VA 20171
Tel: +1 703.648.8000
+1 866.345.0983
www.idirect.net

Specifications are subject to change without notice