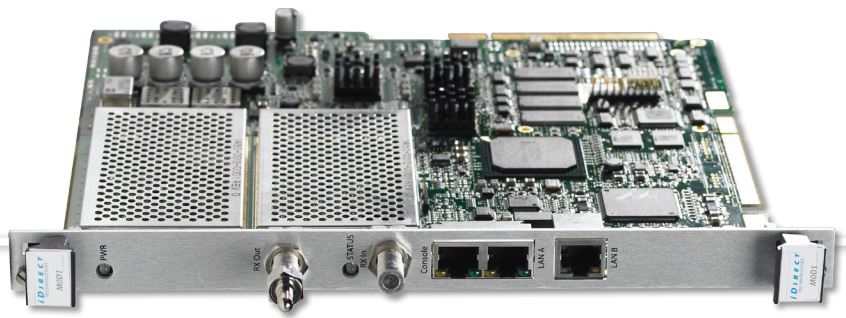


iNFINITI M0D1 Line Card



The iNFINITI M0D1 line card features one demodulator for inbound traffic only. It is ideally suited for voice, data and video applications where a network features one large outbound and multiple inbounds. The line card can reach IP data rates of up to 10.8 Mbps inbound, based on deterministic MF-TDMA.

Network Configuration

Modem	One Demodulator (Receive one upstream carrier)
Symbol Rates	Upstream (D-TDMA): Up to 7.5 Msps
Modulation	Upstream (D-TDMA): BPSK, QPSK, 8PSK
IP Data Rates	Upstream (D-TDMA): Up to 10.8 Mbps (when using QPSK, 0.793FEC, unrestricted NMS)
FEC	Upstream: TPC* BPSK .431-.793, QPSK .533-.793, 8PSK .660
Interoperability	Compatible with Series 15000 Universal Hub (51F/20Slot) chassis and Series 12100 Universal Hub (Commercial 4-slot) chassis Compatible with iNFINITI Series remotes or Evolution Series remotes Compatible with iNFINITI Series line cards or Evolution Series line cards for the outbound

Interfaces

SatCom Interfaces	RxIF: Type-F, 950-1700 MHz, -5dBm/-65dBm
Data Interfaces	LAN: RJ-45, two 10/100Base-T RS-232: RJ45 (Console connection)

Mechanical/Environmental

Redundancy	Software Controlled, Hot-swappable
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 Standards (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 610003-2, EN 610003-3
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	FHS, CE, and RoHS Compliant

* Not supported for use with DVB-S2 outbound in iDX 3.0 and above