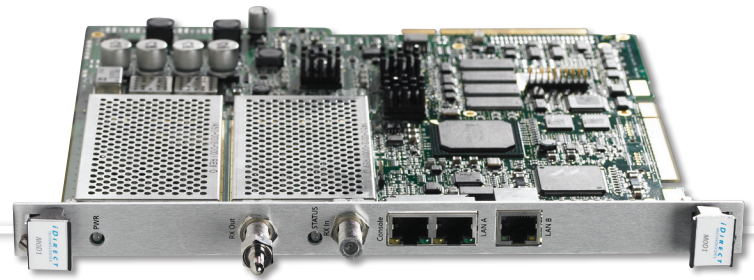


iNFINITI MOD1 Line Card



The iNFINITI MOD1 line card features one demodulator for inbound traffic only and fits in any new or existing universal hub chassis. 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: Turbo 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	RxF: 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