



## ILC-R Line Card

The Intelligent Receive Line Card, ILC-R, is a compact, high performance line card compatible with the Intelligent Hub(iHub). It features multi-channel Adaptive TDMA demodulation for inbound traffic with an aggregate symbol rate of up to 120 Msps with DVB-S2X. When installed in the iHub along with an ILC-T multi-carrier modulator line card, the ILC-R is ideally suited for HTS Satellite Operators and Service Providers on the iDirect Velocity® platform.

### Network Configuration

Network Technology	Adaptive TDMA
Channel Bandwidth	Up to 250 MHz
Demodulator	Demodulates up to 64 channels
Symbol Rate	120 Msps (aggregate)

#### Interoperability

Compatible with Intelligent Hub (iHub)  
Requires Velocity 3.3.1 software or above

### Interfaces

#### SatCom Interfaces

RxIF In: SMA , 950-2450 MHz, -0dBm to -65dBm  
RxIF Out: SMA (Monitor)

#### Data Interfaces

10GbE interface via iHub backplane

#### Timing Interface

Locked to iHub Timing Module through backplane

### Mechanical & Environmental

Redundancy	Software controlled, hot-swappable, and auto-failover
Weight	0.83 kg (1.48 lbs)
Operating Temperature	0° to +45° C (+32° to +113° F)
Humidity	0-95% non condensing
Input Voltage	24V, 65W (max)

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