



## 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. 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 (max) composite, -130+10*log10(Fsym) dBm (min) single carrier
RxIF Out: SMA (Monitor)

#### Data Interfaces

10GbE interface via iHub backplane
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#### Timing Interface

Locked to iHub Timing Module through backplane
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### Mechanical & Environmental

Redundancy	Software controlled, hot-swappable, and auto-failover
Weight	0.83 kg (1.48 lbs)
Operating Temperature	-5° to +45°C (+32° to +113°F)
Humidity, operating	5 to 90%, non condensing
Humidity, storage	5 to 93%, non-condensing
Input Voltage	12V, 96W (max)

