

## ULC-R Line Card



The universal receive line card, ULC-R, features multi-channel Adaptive TDMA demodulation for inbound traffic with an aggregate symbol/chip rate of up to 29 Msps/Mcps\*. In conjunction with a modulator line card (e.g. ULC-T), the ULC-R supports efficient inbound FEC with 2D 16-State coding, making it ideally suited for voice, video and data applications in enterprise and mobility networks on both the iDirect Evolution® and Velocity™ platforms.

### Network Configuration

<b>Network Technology</b>	Adaptive TDMA
<b>Modem</b>	Demodulates up to 16 channels
<b>Modulation</b>	SS-BPSK (SF: 2/4/8), BPSK, QPSK, 8PSK
<b>FEC</b>	2D 16-State 1/2-6/7
<b>Carrier Parameters</b>	Minimum: 128 kbps Maximum: 29 Msps/Mcps* Maximum aggregate symbol/chip rate: 29 Msps/Mcps
<b>Information Rate</b>	80 Mbps composite (8PSK max)
<b>Interoperability</b>	Compatible with Series 15100 Universal Hub (5IF/20 Slot) Requires Evolution 3.4 software or above / Velocity 1.1 software or above

### Interfaces

<b>SatCom Interfaces</b>	RxIF In: Type-F, 950–2000 MHz, -5dBm (max) composite, -130+10*log(Fsym)dBm (min) single carrier RxIF Out: Type-F (Monitor)
<b>Data Interfaces</b>	GigE LAN A: Data & Control; GigE LAN B: Data & Control. Link Aggregation. Console: RS232 over RJ-45
<b>Timing Interface</b>	Locked to customer supplied PPS/10 MHz through backplane

### Mechanical/Environmental

<b>Redundancy</b>	Software controlled, hot-swappable, and auto-failover
<b>Weight</b>	0.83 kg (1.48 lbs)
<b>Operating Temperature</b>	0° to +45°C (+32° to +113°F), 0–95% non condensing
<b>Input Voltage</b>	24V; 65W (max)
<b>Certifications (System Level)</b>	FCC, CE, and RoHS Compliant

\* Future software release

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