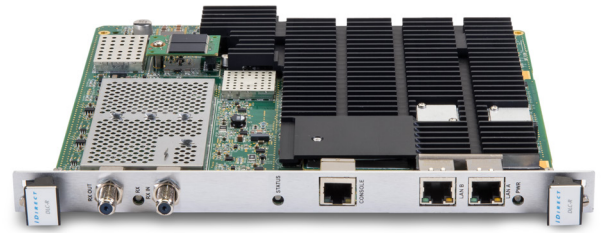


## DLC-R Line Card



The Defense Receive Line Card (DLC-R) is suited for supporting secure voice, data and video communication links for mission-critical military applications in conjunction with a modulator card (such as DLC-T). The DLC-R provides FIPS 140-2 Level 3 security with the introduction of an on-board TRANSEC module. The line card features a multi-channel demodulator with up to 16 channels operating in multi-frequency Adaptive TDMA with aggregate return of up to 29 Msps. The specifications below represent the full capability of the DLC-R. Actual performance is based upon the software release deployed.

### 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 ksps Maximum: 29 Msps/Mcps Maximum aggregate symbol/chip rate: 29 Msps/Mcps Maximum ACQ channels: up to 8 Superburst
<b>Information Bit Rate</b>	Max Composite: 80 Mbps
<b>Interoperability</b>	Compatible with Series 15100 Universal Hub (51F/20Slot) chassis and comes embedded in Series 11000 Tactical Hub Co-exist with eMxDx series Transmit/Receive line cards Requires Evolution 3.4 software or above

### Interfaces

<b>SATCOM Interfaces</b>	Rx In: Type-F, 950–2000 MHz, -5dBm (max) composite, $-130+10*\log(F_{sym})$ dBm (min) single carrier Rx Monitor: Type-F
<b>Data Interfaces</b>	LAN: 2 GigE ports for Data/Control with Link Aggregation Console: RS232 over RJ-45
<b>Timing Interface</b>	Locked to customer supplied PPS/10 MHz through backplane

### Security

	TRANSEC module (E0002268)
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### Mechanical/Environmental

<b>Redundancy</b>	Software Controlled, Hot-Swappable and Auto-Failover
<b>Weight</b>	2.0 lbs (0.91 kg)
<b>Operating Temperature</b>	32° to +113°F (0° to +45°C)
<b>Input Voltage</b>	24V; 65W (max)
<b>Certifications</b>	WGS Certification Pending FIPS 140-2 Level 3 (#3056) - TRANSEC Module
<b>Compliance</b>	FCC, CE & RoHS

*Above specifications are Evolution only and software dependent*