



LFOR-4G PMD Reader - TR2 Variant

Turn-key solution for high speed TR2 PMD downloads

Features and Benefits:

- 4G System is lighter, faster and more capable than all previous generations of LFOR Systems
- One-Button PMD download with smart display status indicators
- Secure data transfers using high-speed digital Fiber Channel and FIPS validated encryption
- Smart power management for energy efficiency
- Chassis rack mount kit available
- Removable feet supports desktop and rack installation

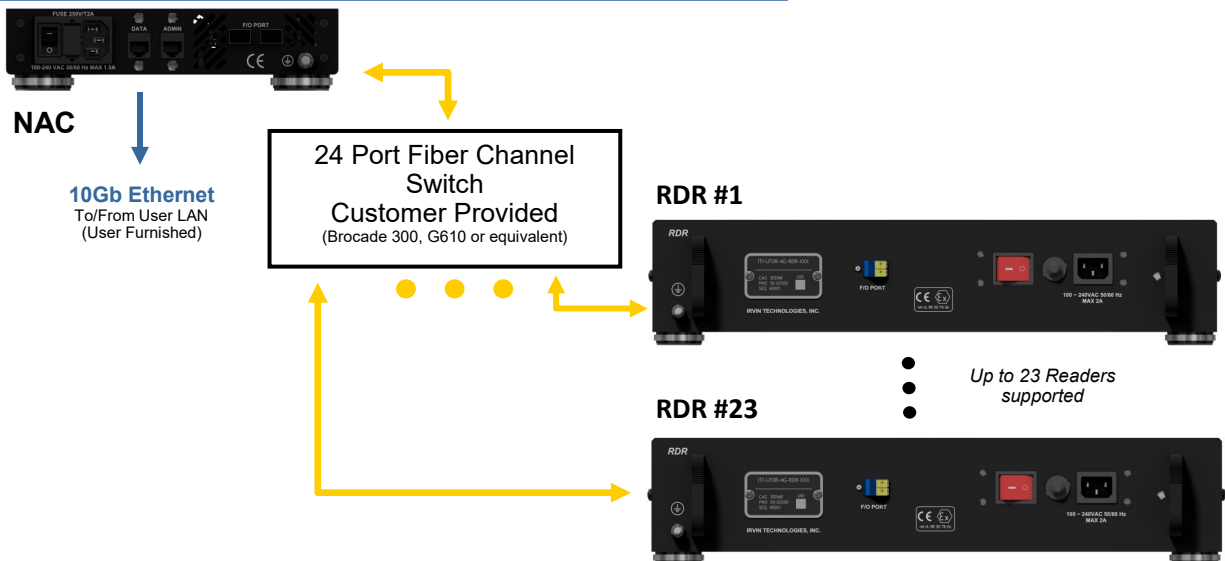
PMD Reader (RDR) - TR2 Variant:

- Configured with dual Enhanced Data Transfer Cartridges (EDTC) to accept TR2 F-35 Portable Memory Devices (PMD) cartridges
- 3.5" LCD used for fiber status, download progress, and any error cases encountered
- EMI Shielded Design
- FIPS 140-2 Compliant Encrypted Data Link

System Operation: Point-To-Point Configuration



System Operation: Switched Configuration



ITI Engineering, LLC

1081 Willa Springs Drive
 Winter Springs, FL 32708
 866.245.9356 // itiengineering.com

ITI-LFOR-4G-RDR-TR2
 70-04002 REV A



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Digital Engine — ITI 4G Computational Core		
CPU	Type	High Performance Octa Core Processor
	Speed	Up to 3GHz
	Major Features	<ul style="list-style-type: none"> * Quad Channel DDR4 Memory Controller * PCI Express Rapid I/O
Memory	RAM	16GB ECC DDR4 SDRAM
I/O	High Speed	<ul style="list-style-type: none"> * FC Secure Data Line, 16 Gbps FC Data Rates * Multiple Lanes PCIe * XMC

Interfaces	
Fiber Interface	<p>Link Specification:</p> <ul style="list-style-type: none"> * Data Rate: 16G Fiber Channel * Cabling: Single Mode Fiber (1310nm) * Max Fiber Segment Length: 9km * Link Budget: 18 dBm
Power	100 ~ 240VAC (Universal), 50/60 Hz 2A Max (All systems ship with standard North American power cord with NEMA 5-15P Male Plug on one end and IEC C13 Female Socket on the other end. Other cords available upon request)

Regulatory Compliance	
Declaration of Conformity ships with each unit and is available upon request	
CE	Certified and marked per EU Low Voltage Directive 2014/35/EU and EU Electromagnetic Compatibility Directive 2014/30/EU
ATEX	Approved and marked for use in Class 3 Environment
Hazardous Materials	RoHS 5/6 Compliant.

EMI and Environmental	
Test reports available upon request	
Temperature Per MIL-STD-810G	Operating: 0 °C to 49 °C Storage: -40 °C to 71°C <ul style="list-style-type: none"> * Tested per Method 501.5 Procedure I (high temp storage) * Tested per Method 502.5 Procedure I (low temp storage) * Tested per Method 501.5 Procedure II (ops temp exposure)
Humidity Per MIL-STD-810G	* Tested per Method 507.5, Procedure II, Aggravated
Altitude Per MIL-STD-810G	Transport Alt 40,000 feet Operation Alt 10,000 feet <ul style="list-style-type: none"> * Tested per Method 500.5, Procedures 1 and II
Grounding	Reader Chassis includes chassis ground stud for MIL-STD-1310H sec. C.6 implementation

Mechanical	
Dimensions	2RU x 16.7"D
Weight	19.8 lbs (w/o cartridges)
Enclosures	EMI Shielded Design with corrosion resistant aluminum IAW MIL-C-5541F, type 1, class 1A

Application Support	
Reader chassis configured to accept up to two TR2 cartridges	

Ordering Information	
Part Number	Description
ITI-LFOR-4G-RDR-TR2	Dual TR2 Bay PMD Reader

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