

# Irvin Technologies, Inc.

---

## 2020 Commercial Product Catalog





Irvin Technologies, Inc.  
1081 Willa Springs Drive  
Winter Springs, FL 32708

## ITI 2020 Commercial Product Catalog

---

*ITI is a recognized leader in providing engineering services and products for aerospace, simulation, and training related domains. This catalog identifies the ITI commercial product offerings of aviation ground support equipment and accessories for 2020. In addition, ITI capabilities are well suited for custom product development or product tailoring to support a wide variety of needs. For custom solutions or applications, contact ITI sales.*

### Headquarters

Irvin Technologies Inc.  
1081 Willa Springs Drive  
Winter Springs, FL 32708  
321-422-4600  
866-245-9356  
877-217-0920 (fax)

### Sales

Joe Marsh  
(321) 214-1716  
[sales@itiengineering.com](mailto:sales@itiengineering.com)



## ITI 2020 Commercial Product Catalog

---

### Irvin Technologies Warranty

#### Standard Products Warranty

ITI warrants its products against defects in materials and workmanship for a period of 1 year from the date of delivery to the distributor's customer, unless noted as otherwise. Any covered defects will be repaired at no cost to the customer. For all returned products, the customer is responsible for shipping costs to ITI and ITI covers all shipping back to the customer, or when applicable, the cost to ship a replacement product.

ITI-LFOR-3GCBL-LCDGL-42-KIT: FIBER OPTIC CABLE, LC ADAPTER KIT:	90 DAY WARRANTY
ITI-FO-INSP-CLEAN-KIT: LFOR FIBER OPTIC INSPECTION AND CLEANING KIT:	90 DAY WARRANTY
ITI-FO-CLEAN-KIT: LFOR FIBER OPTIC CLEANING KIT:	90 DAY WARRANTY
SE-218BB/RSBS: DVD WRITER, USB PORTABLE, SAMSUNG:	90 DAY WARRANTY
POWER CORDS:	90 DAY WARRANTY

#### Lifetime Design Warranty

ITI warrants its product against design related defects for the entire useful life of the product. Design related defects will be determined based on the original requirements and design specifications. Changing customer requirements, changes to interfacing systems, and/or new capabilities are not covered by the lifetime design warranty.



## ITI 2020 Commercial Product Catalog

---

### Update Record

REV	DESCRIPTION
-	2020 Release
1	General Updates
2	Add additional customer part numbers

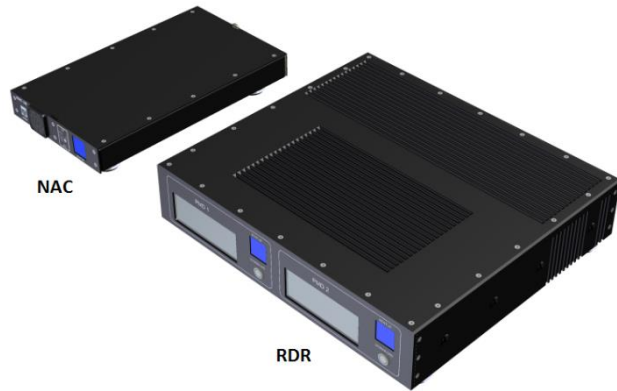
#### Notes:

- All items sold as commercial items.
- For specific product details, refer to product data sheets found at <http://www.itengineering.com/products/>
- Orders are typically Non-Cancellable and Non-Returnable (NCNR) and quotes will indicate when this is applicable.
- Products may require min or max quantities and/or special milestone payment schedule and terms that will be indicated on the quote. Coordinate with ITI prior to quoting to end customer. Quotes are only valid for orders exactly matching the quote.
- When applicable, resellers are responsible for quoting terms to the end customer.



## ITI 2020 Commercial Product Catalog

### LFOR PMD READER SOLUTIONS



The third generation LFOR PMD Reader products provide turn-key, highest-speed Portable Memory Device (PMD) data download capabilities. A typical configured system consists of a Network Access Controller (NAC) interconnected via FIPS-certified encrypted fiber optic link to a Reader chassis (RDR). With the use of a fiber channel switch, a single NAC can support up to 23 RDR chassis. The RDR chassis is a 2-bay system supporting simultaneous downloads from each bay. An optional Rack Mount Kit is available for both the RDR and NAC (see P/N's ITI-LFOR-ACCKIT-NAC and ITI-LFOR-ACCKIT-RDR).

The fiber optic interconnect is supported using a MIL D38999 to LC breakout cable (see cable P/N: ITI-LFOR-3GCBL-LCDGL-42-KIT) at each chassis for connection to the customer provided fiber optic fabric infrastructure.

Note: Annual product licensing/maintenance is required to maintain currency of the FIPS configuration validation.

### LFOR PMD READERS AND COMPONENTS

PART NUMBER	DESCRIPTION	ITI COMPONENT P/N	MSRP	LEAD TIME
<b>ITI-LFOR-3GF-D</b>	<b>PMD READER/NAC SYSTEM KIT</b>		<b>\$209,696</b>	<b>NOTE 1</b>
	QTY 1 DEVICE: 2-BAY PMD READER CHASSIS	ITI-LFOR-3GF-D-RDR		
	QTY 1 DEVICE: NETWORK ACCESS CONTROLLER (NAC)	ITI-LFOR-3GF-D-NAC		
	QTY 2 DEVICE: 42 IN. FIBER OPTIC LC ADAPTER CABLE, D38999 TO LC	ITI-LFOR-3GCBL-LCDGL-42-KIT		
<b>ITI-LFOR-3GF-D-RDR</b>	<b>PMD READER (DEVICE: 2-BAY PMD READER CHASSIS)</b>		<b>\$148,289</b>	<b>NOTE 1</b>
<b>ITI-LFOR-3GF-D-RDR-MAINT-1YR</b>	RDR MAINTENANCE: PRODUCT LICENSE WITH COMP HW AND SW – 1 YR		<b>\$22,244</b>	<b>N/A</b>
<b>ITI-LFOR-3GF-D-RDR-MAINT-3YR</b>	RDR MAINTENANCE: PRODUCT LICENSE WITH COMP HW AND SW – 3 YR		<b>\$56,720</b>	<b>N/A</b>



## ITI 2020 Commercial Product Catalog

PART NUMBER	DESCRIPTION	ITI COMPONENT P/N	MSRP	LEAD TIME
ITI-LFOR-3GF-D-NAC	NAC (DEVICE: NETWORK ACCESS CONTROLLER)		\$57,219	NOTE 1
ITI-LFOR-3GF-D-NAC-MAINT-1YR	NAC MAINTENANCE: PRODUCT LICENSE WITH COMP HW AND SW – 1 YR		\$8,583	N/A
ITI-LFOR-3GF-D-NAC-MAINT-3YR	NAC MAINTENANCE: PRODUCT LICENSE WITH COMP HW AND SW – 3 YR		\$21,887	N/A
ITI-LFOR-ACCKIT-NAC	NAC RACK MOUNT ACCESSORY KIT		\$202	6-8 WKS
ITI-LFOR-ACCKIT-RDR	RDR RACK RAIL KIT		NOTE 3	NOTE 3

### CUSTOMER SPECIFIC LFOR READER PRODUCT BUNDLE

BUNDLE P/N	DESCRIPTION	ITI COMPONENT P/N	MSRP	LEAD TIME
<b>65US0065P10</b>	<b>KIT, READER, PMD</b>		<b>NOTE 2</b>	<b>NOTE 1</b>
**Previous P/N: 65US0065P1	QTY 1 DEVICE: 2-BAY PMD READER CHASSIS	ITI-LFOR-3GF-D-RDR		
	QTY 1 DEVICE: 42 IN. FIBER OPTIC LC ADAPTER CABLE, D38999 TO LC	ITI-LFOR-3GCBL-LCDGL-42-KIT		
	QTY 1 MAINTENANCE: PRODUCT LICENSE WITH COMPREHENSIVE HW AND SW – 1 YR	ITI-LFOR-3GF-D-RDR-MAINT-1YR		
<b>65US0065P12</b>	<b>KIT, NETWORK ACCESS CONTROLLER, PMD</b>		<b>NOTE 2</b>	<b>NOTE 1</b>
**Previous P/N: 65US0065P2	QTY 1 NETWORK ACCESS CONTROLLER (NAC)	ITI-LFOR-3GF-D-NAC		
	QTY 1 42 IN. FIBER OPTIC LC ADAPTER CABLE, D38999 TO LC	ITI-LFOR-3GCBL-LCDGL-42-KIT		
	QTY 1 MAINTENANCE: PRODUCT LICENSE WITH COMPREHENSIVE HW AND SW – 1 YR	ITI-LFOR-3GF-D-NAC-MAINT-1YR		
<b>65US0065P11</b>	<b>READER, PMD</b>		<b>NOTE 2</b>	<b>NOTE 1</b>
**Previous P/N: 65US0065P4]	QTY 1 2-BAY PMD READER CHASSIS	ITI-LFOR-3GF-D-RDR		
	QTY 1 MAINTENANCE: PRODUCT LICENSE WITH COMPREHENSIVE HW AND SW – 1 YR	ITI-LFOR-3GF-D-RDR-MAINT-1YR		
<b>65US0065P13</b>	<b>NETWORK ACCESS CONTROLLER, PMD</b>		<b>NOTE 2</b>	<b>NOTE 1</b>
** Previous P/N: 65US0065P5	QTY 1 NETWORK ACCESS CONTROLLER (NAC)	ITI-LFOR-3GF-D-NAC		
	QTY 1 MAINTENANCE: PRODUCT LICENSE WITH COMPREHENSIVE HW AND SW – 1 YR	ITI-LFOR-3GF-D-NAC-MAINT-1YR		

\*\* Previous Part Numbers no longer available.



## ITI 2020 Commercial Product Catalog

BUNDLE P/N	DESCRIPTION	ITI COMPONENT P/N	MSRP	LEAD TIME
<b>65US0065P7</b>	<b>CABLE, LC ADAPTER KIT (ITI-LFOR-3CBL-LCDGL-42-KIT)</b>		<b>NOTE 2</b>	<b>6-10 WKS</b>
	QTY 1 42 IN. FIBER OPTIC LC ADAPTER CABLE, D38999 TO LC	ITI-LFOR-3GCBL-LCDGL-42		
	QTY 2 LC-LC COUPLERS			
	QTY 2 LC 5dBm ATTENUATORS			

### LFOR CABLES

PART NUMBER	DESCRIPTION	ITI COMPONENT P/N	MSRP	LEAD TIME
<b>ITI-LFOR-3GCBL-LCDGL-42-KIT</b>	<b>FIBER OPTIC CABLE, LC ADAPTER KIT</b>		<b>\$2,094</b>	<b>6-10 WKS</b>
	QTY 1 42 IN. FIBER OPTIC LC ADAPTER CABLE, D38999 TO LC	ITI-LFOR-3GCBL-LCDGL-42		
	QTY 2 LC-LC COUPLERS			
	QTY 2 LC 5dBm ATTENUATORS			

### LFOR ACCESSORIES

PART NUMBER	DESCRIPTION	ITI COMPONENT P/N	MSRP	LEAD TIME
<b>ITI-FO-INSP-CLEAN-KIT</b>	<b>LFOR FIBER OPTIC INSPECTION AND CLEANING KIT</b>		<b>\$6,767</b>	<b>4-6 WKS</b>
<b>ITI-FO-CLEAN-KIT</b>	<b>LFOR FIBER OPTIC CLEANING KIT</b>		<b>\$229</b>	<b>2-4 WKS</b>

NOTE 1: LEAD TIME CAN BE 2 TO 7 MONTHS DEPENDING ON PRODUCTION VARIABLES AND PROJECTED ORDER DATE – CONTACT FACTORY FOR CURRENT LEAD TIME.

NOTE 2: REFER TO CUSTOMER SPECIFIC LONG-TERM AGREEMENT (LTA) FOR PRICING

NOTE 3: CONTACT FACTORY FOR PRICING AND LEADS TIME.

## ITI 2020 Commercial Product Catalog

### GIGABIT ETHERNET MODULE SOLUTIONS FOR PMD READ/WRITE



GEMR



ITI Gigabit Ethernet Module solutions provide full read/write capability for the PMD cartridge with a variety of speeds to suite specific requirements. Each product implements a full receptacle securing the cartridge into the unit during use.

The GEMR low-speed device that provides a low-profile desktop housing. The PMD handle provides a secure lock into the receptacle. Front panel indicators provide facility power and cartridge active indications.

The GEMR-HS IS high-speed read/write capability with 5x the performance of the GEMR and GEM. The GEMR-HS is available as a standard desktop version (-D). These products are compact energy efficient designs with standard Cat6 gigabit Ethernet interfaces.

#### GEMR

PART NUMBER	DESCRIPTION	ITI COMPONENT PART NUMBER	MSRP	LEAD TIME
ITI-GEMR-SSWD-D	GIGABIT ETHERNET MODULE RECEPTACLE (GEMR) JSF P/N: 2PEL00052-0001		NO LONGER AVAILABLE**	
ITI-GEMR-MAINT-1YR	GEMR MAINTENANCE: PRODUCT LICENSE WITH COMP HW AND SW – 1 YR		\$733	N/A
ITI-GEMR-MAINT-3YR	GEMR MAINTENANCE: PRODUCT LICENSE WITH COMP HW AND SW – 3 YR		\$1,871	N/A

\*\* GEMR is no longer available. The replacement is the GEMR-HS





## ITI 2020 Commercial Product Catalog

### GEMR-HS



The ITI GEMR-HS has 100% functionality of the GEM and outperforms both GEM/GEMR by 5x. Features include a high-speed ftp interface and front panel touch screen user interface. The desktop version is packaged in a low-profile metal housing.

PART NUMBER	DESCRIPTION	ITI COMPONENT PART NUMBER	MSRP	LEAD TIME
ITI-GEMR-HS -D	GIGABIT ETHERNET MODULE RECEPTACLE – HIGH SPEED (GEMR-HS) JSF P/N: 2PEL00052-0004 (**Previous P/N (no longer available): 2PEL00052-0002, 2PEL00052-0003)		\$30,529	NOTE 4
ITI-GEMR-HS-D-MAINT-1YR	GEMR-HS MAINT: PRODUCT LICENSE WITH COMP HW AND SW – 1 YR		\$4,580	N/A
ITI-GEMR-HS-D-MAINT-3YR	GEMR-HS MAINT: PRODUCT LICENSE WITH COMP HW AND SW – 3 YR		\$11,678	N/A

NOTE 4: LEAD TIME CAN BE 2 TO 7 MONTHS DEPENDING ON PRODUCTION VARIABLES AND PROJECTED ORDER DATE – CONTACT FACTORY FOR CURRENT LEAD TIME.

## ITI 2020 Commercial Product Catalog

### TERASTORE ENTERPRISE CLASS HIGH CAPACITY DATA STORAGE and MANAGEMENT SOLUTION



The TeraStore storage solution is an SSD management appliance supporting mission critical and enterprise level high capacity backup solutions with unprecedented throughput and security. The system implements the NVMe standard enabling use of commercially available SSDs connected using both M.2 and PCIe card form factors with high reliability persistence with memory-class performance.

PART NUMBER	DESCRIPTION	MSRP	LEAD TIME
ITI-TS-BASE	BASE SYSTEM SUPPORTING DIRECT INSTALL OF CARD BASED SSDs IN PCIe OR M.2 FORM FACTOR	\$2,810	Note 5
ITI-TS-3.5-NVKIT	3.5" drive mounting kit with NVMe to M.2 Cable	Note 5	Note 5
ITI-TS-CUSKIT	Custom kit to install and interconnect user specified SSD	Note 5	Note 5
ITI-TS-LH-KIT	Custom locking handle kit for user specified removable SSD	Note 5	Note 5

NOTE 5: CONTACT FACTORY FOR PRICING AND LEADS TIME.



## ITI 2020 Commercial Product Catalog

---

### ACT : AUTOMATED CARTRIDGE TESTER



The ACT (Automated Cartridge Tester) will test proper functionality of a single data cartridge during manufacturing. Provides rapid pass/fail criteria by testing maximum cartridge throughput and data integrity.

PART NUMBER	DESCRIPTION	MSRP	LEAD TIME
ITI-ACT-D	ACT : AUTOMATED CARTRIDGE TESTER	\$3,113	Note 5

NOTE 5: CONTACT FACTORY FOR PRICING AND LEADS TIME.

## ITI 2020 Commercial Product Catalog

---

### ESS : ENVIROMENTAL STRESS SCREENING SYSTEM



The ESS (Environmental Stress Screening System) will test data cartridge performance while exposed to extreme environmental conditions. The system is comprised of a quad bay chassis, which is designed to be placed inside a thermal chamber, and includes an external computer for test operation.

PART NUMBER	DESCRIPTION	MSRP	LEAD TIME
ITI-ESS-D	ESS : ENVIROMENTAL STRESS SCREENING SYSTEM	\$7,082	Note 5

NOTE 5: CONTACT FACTORY FOR PRICING AND LEADS TIME.

## ITI 2020 Commercial Product Catalog

---

### GSU: TR3 DATA MANAGEMENT SOLUTION



The GSU is a TR3 cartridge compatible appliance supporting mission critical high capacity data transfer with unprecedented throughput and security. The system supports aircraft maintenance, mission planning, and mission debrief. The GSU features a locking mechanism to maintain high reliability during data transfers. Cartridge interactivity is performed using a custom web interface designed specifically for TR3.

PART NUMBER	DESCRIPTION	MSRP	LEAD TIME
ITI-GSU-D	GSU: TR3 DATA MANAGEMENT SYSTEM	\$2,116 - Note 8	Note 5

NOTE 5: CONTACT FACTORY FOR PRICING AND LEADS TIME.

NOTE 8: PRICING ASSUMES BUYER FURNISHED INTERFACE CONNECTOR.

## ITI 2020 Commercial Product Catalog

### XDTC/ADTC CARTRIDGE GIGABIT ETHERNET MODULE SOLUTIONS FOR READ/WRITE



The Gigabit Ethernet Cartridge Interface Device (GigaCID) is the next generation ground support modules for legacy Advanced and Extended Data Transfer Cartridges (ADTC & XDTC). This unit support both cartridge families with high-speed access, a significantly improved host PC interface and direct

#### GIGACID

PART NUMBER		DESCRIPTION	ITI COMPONENT PART NUMBER	MSRP	LEAD TIME
ITI-GCID-SSWD-D		GIGABIT ETHERNET CARTRIDGE INTERFACE DEVICE (GIGACID)		\$26,092	NOTE 6
ITI-GCID-MAINT-1YR		GIGACID MAINT: PRODUCT LICENSE WITH COMP HW AND SW – 1 YR		\$3,915	N/A
ITI-GCID-MAINT-3YR		GIGACID MAINT: PRODUCT LICENSE WITH COMP HW AND SW – 3 YR		\$9,981	N/A
ITI-GCID-RACK-KIT		GIGACID RACK MOUNT KIT		\$228	6-8 WKS

NOTE 6: LEAD TIME CAN BE 2 TO 7 MONTHS DEPENDING ON PRODUCTION VARIABLES AND PROJECTED ORDER DATE – CONTACT FACTORY FOR CURRENT LEAD TIME.

## ITI 2020 Commercial Product Catalog

---

### MISCELLANEOUS SUPPORT EQUIPMENT



SCSI Media Kit, Desktop Model



SCSI Media Kit, Rack-Mount Model



Portable USB DVD Writer

PART NUMBER		DESCRIPTION	ITI COMPONENT P/N	MSRP	LEAD TIME
ITI-SCSI-MK-D		SCSI MEDIA KIT, DESKTOP VERSION		NOTE 7	NOTE 7
ITI-SCSI-MK-R		SCSI MEDIA KIT, RACK-MOUNT VERSION		NOTE 7	NOTE 7
SE-218BB/RSBS		DVD WRITER, USB PORTABLE, SAMSUNG		\$174	2 WKS

NOTE 7: CONTACT FACTORY FOR AVAILABILITY, PRICING, AND LEADS TIME.



## ITI 2020 Commercial Product Catalog

---

### POWER CORDS



All products 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.

PART NUMBER	DESCRIPTION	ITI COMPONENT P/N	MSRP	LEAD TIME
ITI-9210-06C	POWER CORD, 6-FT, NORTH AMERICAN		\$16	2 WKS
ITI-9210-10C	POWER CORD, 10-FT, NORTH AMERICAN		\$20	2 WKS
ITI-9212-06C	POWER CORD, 6-FT, EUROPEAN		\$61	3 WKS
ITI-9213-06C	POWER CORD, 6-FT, ITALY		\$61	3 WKS