

EMCENTER™ MODULAR RF PLATFORM MODEL 7000 SERIES

ETS-Lindgren's EMCenter™ is a modular RF platform consisting of an integrated micro-controller, modular chassis, and a selection of optional plug-in card modules. It can be used to perform a variety of RF measurement applications.



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The EMCenter's compact footprint reduces system complexity and provides centralized control and accessibility. The 3U 19-inch form factor for the seven slot models can accept up to seven optional instrument card modules. Both the 7 slot and 2 slot models can come with GPIB (IEEE 48). The two slot models use the same form factor as the seven slot and can accept two instrument card modules for less complicated applications. Each individual card module is a miniaturized instrument that has been optimized for RF measurement. Card modules are easily inserted into the chassis' rear card bay, and are recognized when the system initializes. Multiple EMCenters can be linked together to form scalable systems.

EMCenters can be manually controlled through a series of menus accessed on the front panel TFT touch screen. The platform's embedded Linux-based software is stored in flash memory to simplify version upgrades.

For automated testing, EMCenter can be controlled with TILE!™, EMQuest™ and other PC compatible RF software packages. Using LAN, USB and the optional GPIB IEEE-488 I/O, the software can control external receivers, amplifiers, power meters, antennas, and other equipment in the test loop.

Typical EMCenter applications include EMC and wireless measurements, E-field monitoring, and other RF applications.

If you need to update the firmware, please email support@ets-lindgren.com

Key Features

- Modular Platform for Making RF Measurements
- Reduces Test System Complexity Includes Backplane, Power, and TFT
- Touch Screen Control
- Accepts up to Seven Optional Plug-n-Play Instrument Card
- Modules Supported by Popular RF Test Automation Software
- Optional GPIB (IEEE 48) on both 7 slot and 2 slot models

Specifications

Electrical Specifications

Specification			
	7000-001	7000-011	7000-004
Number of slots for Modules	7	2	2
GPIB (IEEE 48)	No	Yes	No
Display (TFT Touch Screen)			
Processor			
Memory			
Operating System			
Supply Voltage			
Power Consumption, Standby			
Power Consumption, Empty			
Power Consumption, Maximum Load			
I/O Interface			
Cables			
Interlock			
Warranty			

Physical Specifications

Specification	
	7000-001 and 7000-010
Number of slots for Modules	7
Height	
Width	
Depth	
Weight	
Configuration	
Temperature Range	
Relative Humidity	

Additional Specifications

- EMCenter Modular RF Platform Model 7000 Series
- Interlock Plug
- 19" Rack Mounting Brackets
- Power Cable

Product Options

The table below lists ETS-Lindgren products that can be purchased separately as add-on options to your EMCenter.

Model	Product
Model 7001-00X	EMSwitch™ Plug-In Card
Model 7002-00X	EMPower™ Power Meter
Model 7002-00X	EMPower Pulse™ Power Meter
Model 7003-002	EMGen™ Plug-in Card
Model 7004-00X	EMLink™ Analog Fiber Optic Link
Model 7006-001	EMControl™ Plug-In Card
Model 7007-001	EMSense™ Plug-in Card
Model 7007-002	EMSense™ Plug-in Card
-	EMField™ Generator

