

EX7300-EX7600

LXI CLASS A CUSTOM RF/MICROWAVE ENCLOSURES

EXPERIENCE THE SIMPLICITY OF LXI



integrated enclosures simplify customization

The EX7300 (3U) - EX7600 (6U) are complete enclosures that include a 150 W power supply, the EX7000-OEM LXI digital interface and driver card, fans for cooling, and a removable tray for mounting components and cables. These units are intended for customers who wish to develop, build, and support their own RF/Microwave, optical, or power interface subassemblies while minimizing the time spent developing a software and communications interface. The power supply, along with the LXI Class A controller and relay driver boards is placed in the enclosure such that the RF signals passing through the box are not adversely impacted by any stray energy.

flexible control based on the EX7000-OEM

Consistent with all products within the EX7000 family, the EX7300 - EX7600 enclosures leverage off the powerful command and control options of the EX7000-OEM (see EX7000-OEM). A list of components used in the design can be built through www.vtomicrowave.com using a web-based interface that is coupled with an extensive component library. This list can be uploaded to the custom enclosure and a JAVA-driven graphical configuration utility is then employed to programmatically emulate the schematic, while providing a "path-level" IVI driver interface and an intuitive, soft front panel for easy debug and control.

efficient design facilitates easy development

A removable tray allows the enclosure to be easily "punched" for the mounting of components and cables. Additionally, 3D drawings of the cable tray can be made available for users who wish to mechanically design the custom tray and have either VTI Microwave or a machine shop fabricate the subassembly. The component tray also allows I/O connectors to be mounted on either the rear or front panels providing the flexibility to keep external cable lengths to the enclosure at a minimum, regardless of the connector orientation of the other system assets.

FEATURES

- LXI Class A communications interface promotes seamless integration of custom designs with other LXI devices
- 150 W power supply for the most complex designs
- Removable tray for mounting components and interconnect cables
- I/O access through rear or front panel for increased design flexibility
- 72 drive channels standard, expandable to 576 channels and 32-bit TTL I/O per driver board, expandable to 256
- Industry standard IVI driver set provides a well-documented software API that minimizes development time
- 128 element configuration table for quick recall of common setups
- Graphical XML configuration utility generates custom box “personality”
- Embedded web GUI for monitor and control of components
- LXI triggering interface for handshaking and synchronization with other LXI Class A devices

SCALABLE
OPEN-ARCHITECTURE
MICROWAVE SOLUTIONS

Dimensions

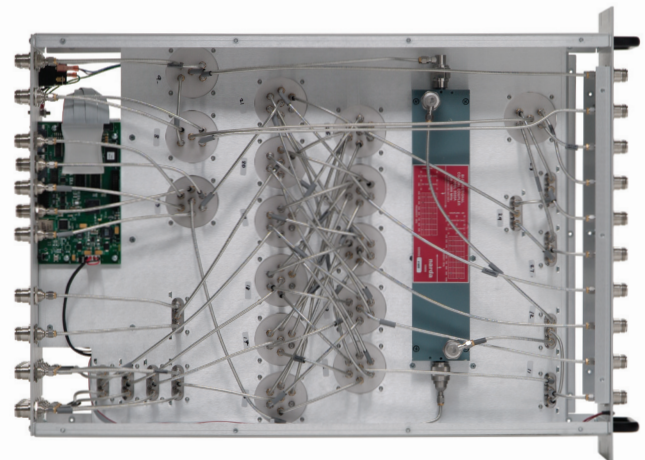
EX7300	132.6mm (5.3") H x 444.5mm (17.5") W x 609.6mm (24.0") D
EX7400	177.1mm (7.0") H x 444.5mm (17.5") W x 609.6mm (24.0") D
EX7500	221.5mm (8.8") H x 444.5mm (17.5") W x 609.6mm (24.0") D
EX7600	266.0mm (10.5") H x 444.5mm (17.5") W x 609.6mm (24.0") D

Ordering Information

EX7300	3U mainframe includes EX7000-OEM
EX7400	4U mainframe includes EX7000-OEM
EX7500	5U mainframe includes EX7000-OEM
EX7600	6U mainframe includes EX7000-OEM

Options

EX7000-72	72 driver/32 TTL I/O expansion relay driver board (RDB)
EX7000-72-1	48 open-collector, 24 TTL driver/32 TTL I/O expansion RDB
EX7000-72-2	24 open-collector, 48 TTL driver/32 TTL I/O expansion RDB
EX7000-72-3	72 TTL driver/32 TTL I/O expansion RDB



EX7300 Configuration (top cover removed)