

VXI C -SIZE HARDWARE KIT



Interface Technology style VXI Module Hardware Shield Kits

DESCRIPTION

ICS's ITC style VXI-Kits are complete hardware kits for assembling single-slot C-size VXI modules that had been designed to fit Interface Technology (ITC) VXI shields. These ITC style VXI-Kits are designed to house module assemblies built with slotted PC boards and 96-pin DIN connectors. Each kit includes a blank front panel with ejectors, side shields and all necessary hardware to assemble the VXI module. Documentation includes the complete PCB layout information and assembly directions. Designers receive complimentary CAD files and ORCAD design templates for starting their PCB layout. The user only needs his printed circuit board assembly to complete the VXI module.

Construction Concept

Shield construction is essentially a box type design with the shields surrounding the printed circuit board assembly. The printed circuit board assembly fits in the chassis card guides and supports the module.

The PC board has 11 tabs along the two long sides that protrude through the circuit side cover and support the module in the chassis. Seven

screws fasten the PC board to the circuit side cover. No clearance holes or grounding strips are required on the PC board.

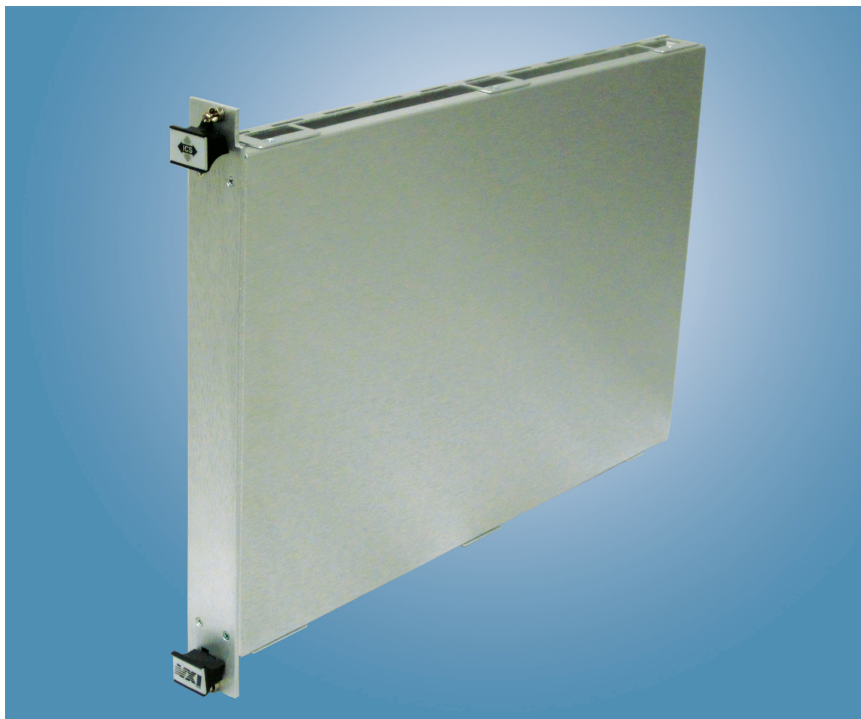
The front panel is a separate piece that mounts directly to the front edge of the shields. The ejectors pivot on metal brackets that mount to the front panel and optionally to the PC board. The ejection force is transferred to the PC board by both mounting methods. The front panel stays attached to the PC Board assembly when removed if the ejector mounting brackets are fastened to the PC board. The enclosed module has ample air cooling vents. A 0.375 inch wide slot runs along both sides of the module to provide unobstructed airflow.

Single Configurations

ICS's ITC type VXI-Kits are only available in a single-slot wide configuration at this time. Contact us if you need a different configuration or a custom front panel.

Front Panel Kits

Front Panel Kits are available for single-wide ITC style modules. The front panels are blank except for the retaining screw, ejector handle slot and mounting screw holes at the top and bottom ends. The Front Panel Kits include all necessary hardware and assembly instructions.



- All kits include side shields, blank front panels, ejector handles, all hardware, and assembly instructions.
Complete package simplifies your module design.
- Simple box design with large air vents
Easy to assemble case with good air cooling.
- Front panel kits available as separate items.
Provides blank front panels and hardware where side shields are not required.
- Complimentary layout files for designers includes PCB design templates and CAD files.
Provides a head start on your PCB design.
- Custom front panels machined and finished to your specifications.
Get a complete kit from a single source.



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VXI-KIT: DESCRIPTION

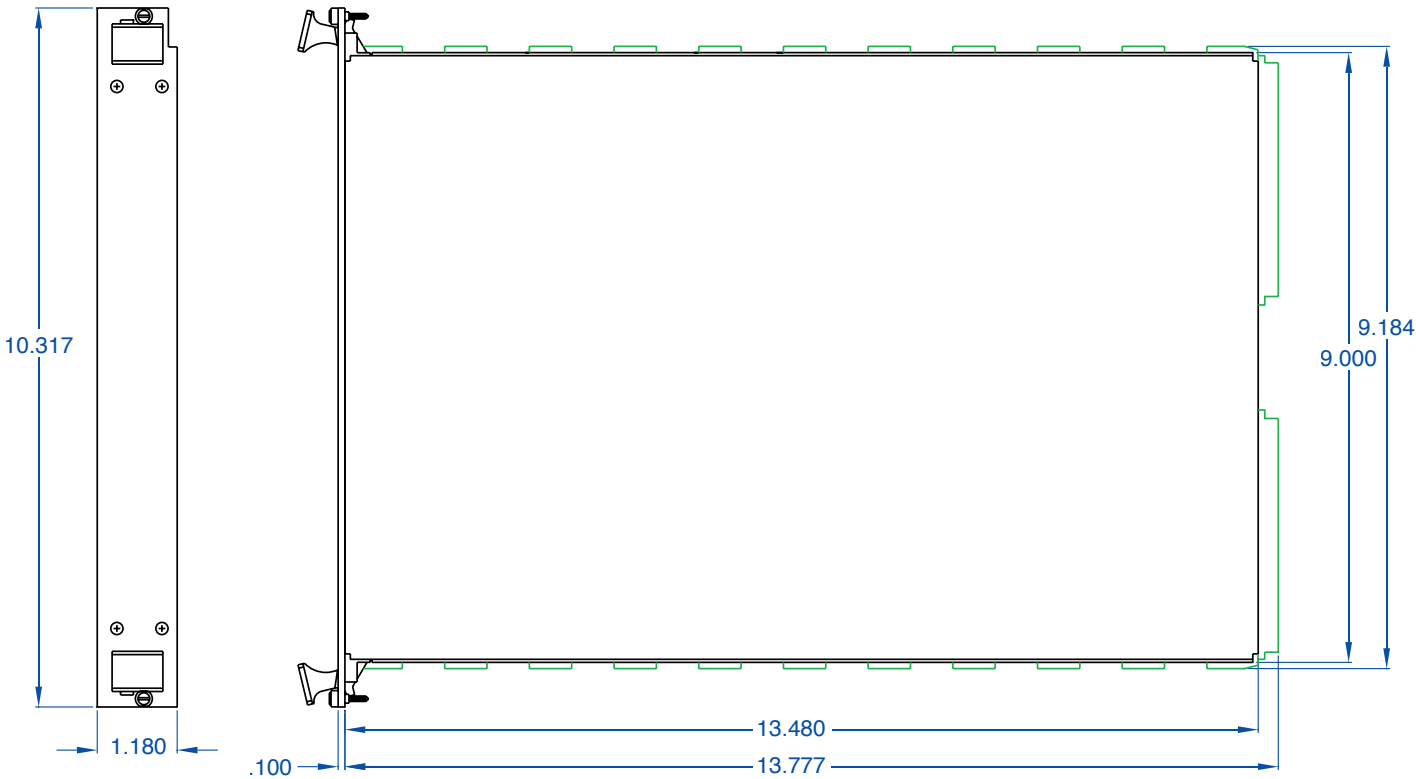


Figure 1 C-Size ITC style VXI Shield Kit

VXI-KIT: SPECIFICATIONS

Physical

Size, W x H x D
Single-Slot:
29.97 x 233.27 x 352.48 mm
(1.180 x 9.184 x 13.877 inches)

Weight
Single-Slot Kit: 0.51 kg. (1.125 lbs.)

Material
Front Panel - Aluminum panel
Side Shields - .040 inch aluminum
Ejectors - Plastic with slide in aluminum faces. One face has VXI logo, second face has ICS's logo.

Finish
Clear alodine

Air Vents

Air vents are 0.375 x 12.2 slots along the long sides of the module.

Supplied Items

Each VXI-Kit includes the following items:

- Front Panel
- Side shields
- Ejector handles
- Ejector face with VXI logo
- Ejector face with ICS logo
- Ejector mounting hardware
- Assembly screws
- Assembly and layout instructions

Each Front Panel Kit includes the following items:

- Front Panel
- Ejector handles
- Ejector face with VXI logo
- Ejector face with ICS logo
- Ejector mounting hardware
- Assembly screws

Optional Items

123153 Layout Template files are not included with ICS VXI products but are supplied at no charge to qualified VXI Kit designers. Call or email ICS sales department at sales@icselect.com for your copy.

ORDERING INFORMATION

	Part Number
C-Size, Single-Slot ITC style VXI Module Shield Kit	115921
C-Size, Single Wide Front Panel kit	115923