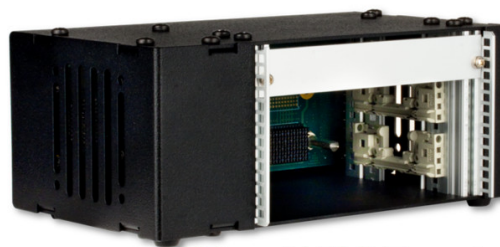# XPand6200 Series Development Kit

Rapid-Prototyping Development Kit for the XPand6200 Series Rugged Systems

- ❯ Utilizes 1.0 in. pitch 3U VPX Rear Transition Modules (VITA 46.10) for I/O access from the XPand6200 Series' corresponding 3U VPX modules

- ❯ Includes circular connector pass-through cables for connecting development fixture to the XPand6200 Series

- ❯ Octopus cables available for breaking out some or all interfaces directly to standard commercial connectors (optional)

- ❯ Includes 120 VAC to DC power supply and cables for powering the XPand6200 Series

- ❯ Includes ATX power supplies for powering the RTMs in the I/O test fixture

XPand1508 Front   **XPand1508 Back**

XPand6200 Series Development Kit

The XPand6200 Series Development Kit is provided to simplify and speed up development with the XPand6200 Series rugged systems. The kit breaks out the XPand6200 Series' I/O to development-friendly commercial connectors and includes power supplies for powering the unit from standard 120 VAC wall outlets.

In its default configuration, the XPand6200 Series Development Kit includes the XPand1508 I/O breakout stations. The XPand1508 supports two standard VITA 46.10 RTM slots for accessing I/O from the corresponding 3U VPX modules installed in the XPand6200 Series. The development kit includes the cables needed to connect the XPand6200 Series to the XPand1508. Octopus cables may also be provided to break out commonly used high-speed interfaces directly to standard commercial connectors.

Alternate configurations are available in which all interfaces are broken out directly to commercial connectors via octopus cables. These configurations do not include the XPand1508.

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XPand1508 I/O Breakout Station

- Each XPand1508 supports one payload module in the XPand6200 Series
- Supports standard VITA 46.10 RTM for accessing the XPand6200 Series' payload slot's I/O
- Additional RTM slot for accessing an XMC's X12d I/O (per VITA 46.9) installed in the XPand6200 Series' payload slots
- Includes ATX power supplies for powering the RTMs
- J2 and J3 keying configurations available

Cables

- Circular connector pass-through cables for connecting the XPand6200 Series to the XPand1508
- Some standard high-speed interfaces are supported with octopus cables that break out I/O directly to commercial connectors
- Alternate configurations available in which octopus cables provide I/O breakout for all interfaces

Power Supply

- Includes the XPm9004 120 VAC to DC power supply and cable for powering the XPand6200 Series