XPand6241 Development Kit

Rapid-Prototyping Development Kit for the XPand6241 Rugged System

- Circular connector pass-through cable available for connecting development fixture to the XPand6241
- Cables break out I/O to standard commercial connectors
- Includes 120 VAC to DC power supply and cables for powering the XPand6241 and one P14 breakout board
- Development kits also available to support the XPand6240 and XPand6242 systems

XPand6241 Development Kit

The XPand6241 Development Kit is provided to simplify and speed up development with the XPand6241 rugged system. The kit breaks out the XPand6241's I/O to development-friendly commercial connectors and includes power supplies for powering the unit from standard 120 VAC wall outlets.

This development kit consists of the XPm9004 120 VAC to 24 V DC power supply, the XTend5114 breakout cable to the J2 interface, the XTend5124 breakout cable to the J3 interface, and the XTend324 P14 breakout board.

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J1 Interface

- XPm9004 (9007200-1) 24 V power supply, AC to DC, six-pin D38999 connector with A/C cord

J2 Interface

- XTend5114 (90073655-3) breakout cable for XPedite8270
- Two RS-232 serial ports via DB-9 male connectors
- Two USB 2.0 ports via Type A female connectors
- One Ethernet port via CAT6a cable terminated with RJ-45 connector
- One DisplayPort male connector
- One D-sub 15-pin male connector for GPIO
- One D-sub 15-pin male and one D-dub 25-pin male connectors for XMC I/O

J3 Interface

- XTend5124 (90075250-4) El-Ochito B-key octopus-style breakout cable
- 12 Ethernet ports via CAT6a cables terminated with RJ-45 connectors

P14 Interface

- XTend324 (90075455-2) breakout board for XTend5124
- Two RS-232 serial ports via DB-9 male connectors
- GPIO/Reset DIP switches
- VBAT holder for 20.0 mm battery input

Recommended Operating Environment

The components of this kit are intended for development purposes. Using the kit outside of the operating ranges listed below is not recommended and may result in damage to the cables, power supply, and/or system itself.

- Cables: -10°C to 75°C
- Power Supply: 0°C to 40°C (180W) / 60°C (90W)