XPand6242 Development Kit

Rapid-Prototyping Development Kit for the XPand6242 Rugged System

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

XPand6242 Development Kit

The XPand6242 Development Kit is provided to simplify and speed up development with the XPand6242 rugged system. The kit breaks out the XPand6242'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 XTend5124 breakout cable (A-key) to the J2 interface, another XTend5124 breakout cable (B-key) to the J3 interface, and two XTend324 P14 breakout boards.

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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

- XTend5124 (90075250-3) El-Ochito A-key octopus-style breakout cable
- 12 Ethernet ports via CAT6a cables terminated with RJ-45 connectors

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

- Two XTend324 (90075455-1 and 90075455-2) breakout boards for XTend5124
- Four RS-232 serial ports (two per breakout board) via DB-9 male connectors
- GPIO/Reset DIP switches
- VBAT holder for 20.0 mm battery input (supported only on J3)

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)