The UC Open XP IO Expander adds additional I/O point capacity to the UC Open XP Controller. These controllers provide auxiliary building control to interface with lighting, fans, pumps, and other HVAC equipment. The UC Open XP’s pre-engineered algorithms provide simple building integration for commercial applications with 24 I/O point capability. When the UC Open XP IO Expander is added to the UC Open XP Controller, up to 24 additional I/O points are available. Together, these controllers support up to 48 total I/O points for even greater flexibility.

Application Features

- Comprehensive library of pre-engineered algorithms available through the ApplicationBuilder Tool
- Supported functions include: Constant Volume (CV) Cooling and Heating Control, Dehumidification, CV Mixed Air Damper Optimization, Fan Control, Pump Control, Lighting Control, Indoor Air Quality, Generic PID Control, Time Scheduling with/without Override, Analog Temperature Control, Discrete Interlock, Discrete Staging Control, Permissive Interlock, Set Point Reset, Optimal Start/Stop, WSHP Loop Control
- Supports Carrier SPT room sensors, which allow for local setpoint adjustment and local overrides

System Benefits

- Integrated Carrier linkage algorithm for plug-and-play integration with Carrier systems
- Fully plug-and-play with the Carrier i-Vu Open Control System
- Supports demand limiting for maximum energy savings

Hardware Features

- Expands the UC Open XP Controller to support up to 48 I/O points
- Removable screw terminals for I/O connections
- Versatile mounting options: may be mounted directly onto the UC Open XP enclosure or separately within the mounting enclosure
## Specifications

**Part Number:** OPN-UCXPIO

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<th><strong>Communication Ports</strong></th>
<th>Xnet Remote Expansion port: For connecting to a UC XP Controller via the Xnet network</th>
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<td><strong>Inputs</strong></td>
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<td><strong>Status Indicators</strong></td>
<td>Visual (LED) status of power, outputs, running, and errors</td>
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### Communication Ports

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- **Status Indicators:**
  - Visual (LED) status of power, outputs, running, and errors.

- **Listed by:**
  - FCC, UL (PAZX and PAZX7), and CE.

### Environmental Operating Range

- **-20° to 140°F (-29° to 60°C); 10 to 90% relative humidity, non-condensing**

### Power Requirements

- **AC rating:** 24VAC ± 10% (21.6VAC to 26.4VAC), 50 to 60Hz, 13VA, 0.54A.
- **DC rating:** 26VDC, 0.12A, 3W.

### Dimensions

**Overall**

- **A:** 10-5/8" (26.9 cm)
- **B:** 3" (7.6 cm)

**Mounting**

- **C:** 10-3/16" (25.9 cm)
- **D:** 1-1/2" (3.8 cm)
- **E:** 13/64" (0.5 cm)

**Depth:** 1-12" (3.8 cm) min. panel depth

**Weight:** 0.73 lbs (0.33 kg)