

## XNC I/O Extension Module Series

### Overview

The XNC I/O extension modules are I/O points supplement modules of bus type to XNC series AI Edge Controllers, which are part of Advenco LUBAN solutions. The modules are designed for a wide variety of complex applications, such as cooling, heating, water supply and drainage, lighting, air handling unit and ventilation systems, etc. These devices feature RS485 ports for BACnet™ MS/TP, Modbus RTU. The modules can be mounted on a DIN rail in horizontally orientations.



### Features

- Delivers high performance with ARM Cortex-M4 32-bit MCU.
- Standard BACnet MS/TP communications protocol application.
- BACnet Auto-Discovery enables seamless integration of new devices with no manual configuration.
- Pluggable terminal blocks for easy installation and maintenance.
- Modern design LED to show the operational status of the controller.
- Standard DIN rail mounting.

### Ordering Information

Product Number	RS485 ↑ Port	Onboard I/O
BAC-3342-070	1	7RO
BAC-3342-090	1	6DI 3DO
BAC-3342-100	1	4UI 6DI
BAC-3352-150	1	4UI 8DI 3DO
BAC-3352-200	1	4UI 3AO 10DI 3DO

### Product Specification

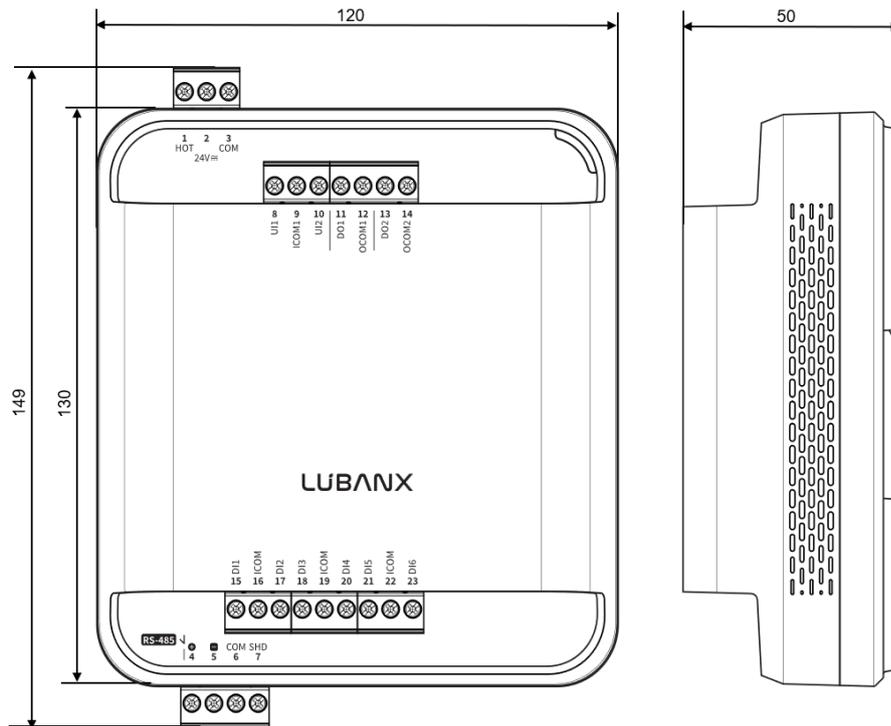
<b>Processor</b>	ARM Cortex-M4 32-bit
<b>Memory</b>	256KB flash memory and 48KB SRAM
<b>Power Requirement</b>	24 VAC±20%, 50/60Hz; 24 VDC (-10%~+20%)
<b>Power Consumption</b>	12 VA (Typical)
<b>Environment</b>	<b>Operating:</b> -4°F to 122°F (-20 to 50°C); 10 to 90% RH non-condensing <b>Storage:</b> -40°F to 158°F (-40 to 70°C); 5 to 95% RH non-condensing
<b>Communications Protocol</b>	BACnet MS/TP, Modbus RTU
<b>Terminations</b>	<b>I/O:</b> Pluggable terminal blocks <b>Power Supply &amp; RS485:</b> 2-wire or 3-wire pluggable terminal blocks
<b>Protection</b>	IP20(IEC529)
<b>Housing Material</b>	ABS+PC

<b>Certification</b>	CE, RoHS, REACH
<b>Mounting</b>	35mm DIN rail mounting (horizontal orientation)
<b>Dimensions (W×H×D)mm</b>	<b>BAC-3342-070/BAC-3342-090/BAC-3342-100:</b> 120 ×149 × 50 <b>BAC-3352-150/BAC-3352-200:</b> 160 ×149 × 50
<b>Weight</b>	<b>BAC-3342-070/BAC-3342-090/BAC-3342-100:</b> 0.55kg <b>BAC-3352-150/BAC-3352-200:</b> 0.45kg

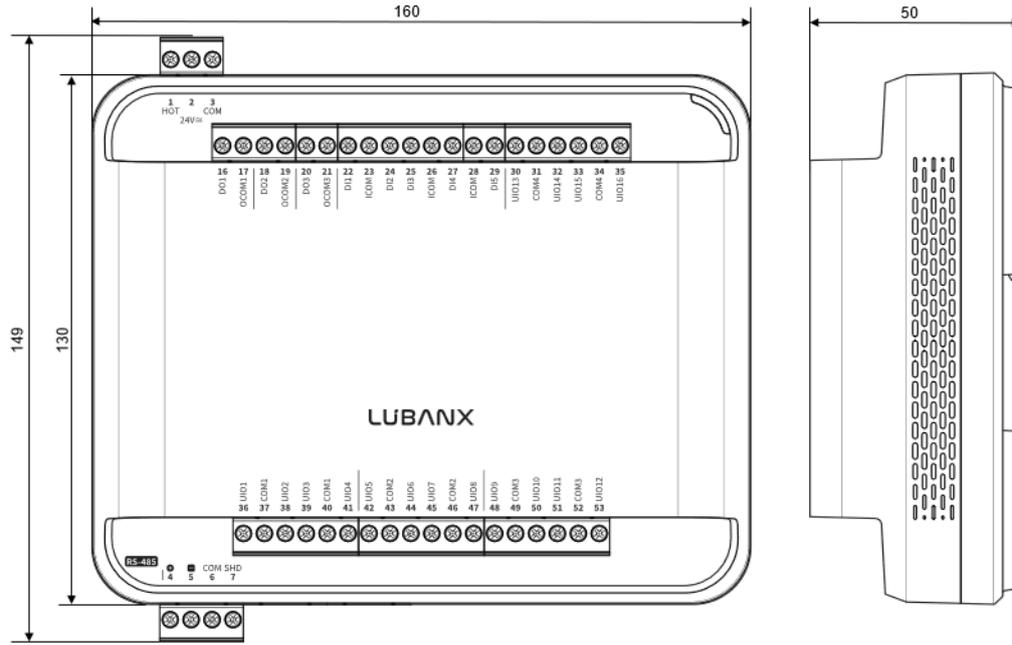
Input/Output	
<b>UI</b>	0-10VDC, 4-20mA, Resistance, Dry contact
<b>AO</b>	0-10VDC, 4-20mA
<b>DO</b>	TRIAC output 24 VAC (requires external power supply)
<b>RO</b>	Relay output 24V (supporting AC and DC)
<b>DI</b>	Dry Contact, Pulse counting (Max.50Hz)
<b>UI Resolution</b>	12 bit
<b>AO Resolution</b>	16 bit

### Dimensions (mm)

**BAC-3342-070/BAC-3342-090/BAC-3342-100:**



**BAC-3352-150/BAC-3352-200:**



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