Controller

The QHUNTER is a compact, embedded IoT (Internet of Things) controller and server platform for connecting multiple and diverse devices and sub-systems. With Internet connectivity and Webserving capability, the QHUNTER controller provides integrated control, supervision, data logging, alarming, scheduling and network management. It streams data and rich graphical displays to a standard Web browser via an Ethernet or wireless LAN, or remotely over the Internet.

The licensing model for the QHUNTER controller is simplified and features standard drivers along with optional IO and field bus expansion modules for ultimate flexibility and expandability. The JACE 8000 controller operates with Niagara 4, the latest version of the Niagara Framework®, for optimum performance. In larger facilities, multibuilding applications and large-scale control system integrations, Niagara 4 Supervisors can be used with QHUNTER controllers to aggregate information, including real-time data, history and alarms, to create a single, unified application.

Key features

- Powerful Niagara 4 hardware platform with easy software upgrade capability.
- Modular hardware design for fast and easy installation.
- Tool-less installation.
- Expandable with up to four option modules.
- Native Wi-Fi capability.
- 24V AC/DC—standard global power supply.
- Standard open drivers included.
- Easy to select the right capacity license.
- Standard DIN rail mounting

Possibility to customize the clip in different colors and with company logo upon request.

powered by niagara framework®

QL SOLUTIONS

Specifications

Software (Niagara® Framework)

- Niagara 4.1 and later – *Niagara version 4.2, includes a license for 25 Analytic Points for use with a JACE 8000.*
- Sizes available: 100, 250, 500, 1250, 5000, 10000 points

Hardware

- TI AM3352: 1000MHz ARM® Cortex™- A8
- 1GB DDR3 SDRAM
- Removable micro-SD card with 4GB flash total storage/2GB user storage
- Real time clock
- Batteryless

Communication

- Wi-Fi (Client or WAP)
  - IEEE802.11a/b/g/n
  - IEEE802.11n HT20 @ 2.4GHz
  - IEEE802.11n HT20/HT40 @ 5GHz
  - Configurable radio (Off, WAP or Client)
  - WPAPSK/WPA2PSK supported
- (2) isolated RS-485 with selectable bias and termination
  (2) 10/100MB Ethernet ports
- USB type A connector - Back-up and restore support

Power supply

24V AC/DC

Housing

- Dimensions: 171 x 110 x 61,1 mm
- Mounting to a panel or to a DIN rail (EN50022 standard)
- Materials: self-extinguishing plastic (PC/ABS)
- Cooling: internal air circulation

Enviroment

- Operating temperature: -20–60°C
- Storage temperature: -40–85°C
- Humidity: 5%–95% — Non condensing
- Shipping & vibration: ASTM D4169, Assurance Level II
- MTTF: 10 years+

Supported drivers

BACnet IP and MSTP, LON, KNX-IP, M-bus, Modbus (all types), oBiX, OpenADR, SNMP, MQTT, OPC-UA

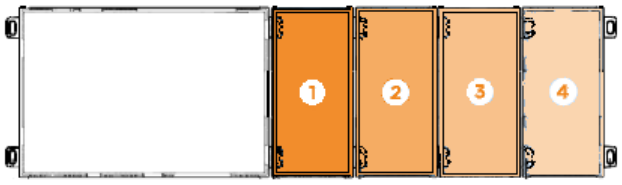
Expansion modules and I/O configurations

Maximum expansion modules supported
NPB-8000-LON: 4
NPB-8000-232: 4
NPB-8000-2X-485: 2

Maximum 16 x I/O modules supported
IO-R-16 (counts as 1 module)
IO-R-34 (counts as 2 modules)

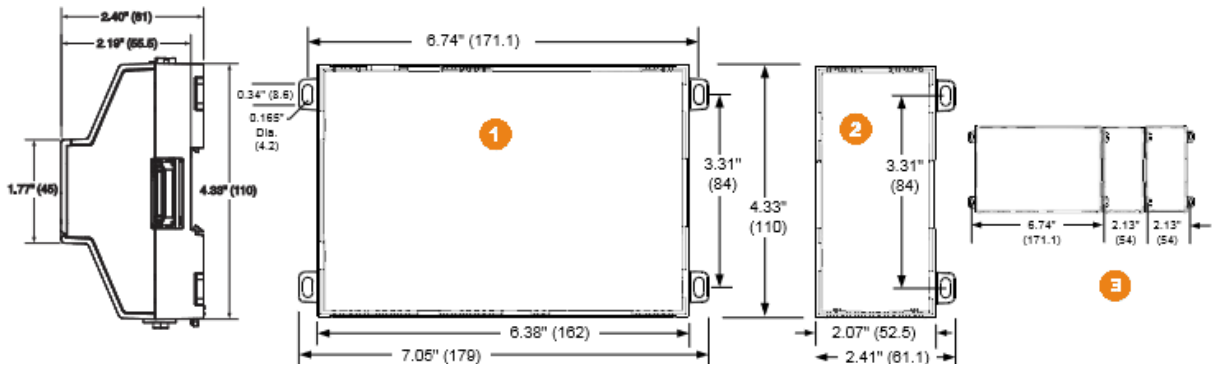
Maximum combinations

EXPANSION 1	EXPANSION 2	EXPANSION 3	EXPANSION 4
232 or LON	232 or LON	232 or LON	232 or LON
485 485	232 or LON	232 or LON	232 or LON
485 485	485 485	232 or LON	
485 485	485 485		



Mounting and dimensions

- JACE 8000 controller. Allow at least 1.5" (38mm) clearance around all sides and minimum 3" (76mm) at bottom for Wi-Fi antenna
- Expansion module. Up to four (4) may be used. See "Expansion module and I/O configurations".



Compatible with (DIN43880) enclosures Suitable for mounting to a panel or to an EN50022 standard 35mm rail.

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