QHunter

QHunter 9000 Controller

JThe QHunter 9000 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 9000 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 9000 controller is simplified and features standard drivers, along with optional IO and field bus expansion modules for ultimate flexibility and expandability. The QHunter 9000 controller operates with Niagara 4, the latest version of the Niagara Framework®, for optimum performance. In larger facilities, multi-building applications and large-scale control system integrations, Niagara 4 Supervisors can be used with QHunter controllers to aggregate information, including alarms, and historical and real-time data, to create a single, unified application.

HARDWARE SPECIFICATION

CPU NXP iMX8M + Quad Core
RAM LPDDR4 da 2GB
8GB onboard EMMC storage
8GB micro-SD card (backup media)
Wi-Fi (client or WAP)
• Wi-Fi 5 (802.11ac)
• 1x1 802.11 a/b/g/n/ac
• Configurable radio (Off, WAP, or Client)
• WPAPSK/WPA2PSK supported
• Only Available for wireless model
USB type C connector
• Debug port
(2) isolated RS-485 with selectable bias and termination
(2) 10/100/1000MB Ethernet ports
Secure boot
*Supply requirements: 24VAC rated at 24VA minimum, or 24VDC rated at 1A (24W) minimum
Non-Wi-Fi: Supports Niagara 4.13 and later Wi-Fi: Supports Niagara 4.15 and later
Real-time clock
Batteryless

Niagara Enterprise Security requires four hours of standby power

powered by

niagara
framework®

QL SOLUTIONS

EXPANSION MODULE AND IO CONFIGURATIONS

MAXIMUM EXPANSION (MODULES SUPPORTED)

• NPB-8000-LON (4)

• NPB-8000-232 (4)

• NPB-8000-2X-485 (2)
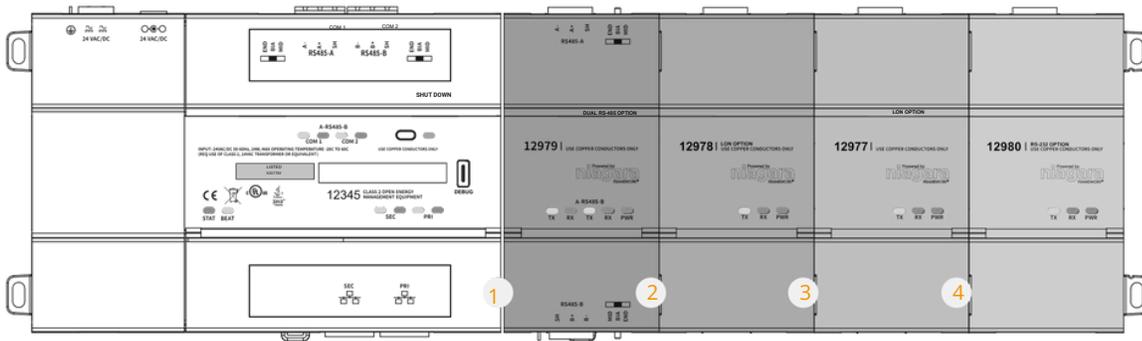
MAXIMUM IO (MODULES SUPPORTED)*

• IO-R-16 (16)*

• IO-R-34 (8)*

*See JACE IO R data sheet for configuration details

MAXIMUM NIAGARA ENTERPRISE SECURITY (MODULES SUPPORTED)*

• T-SEC-R2R *

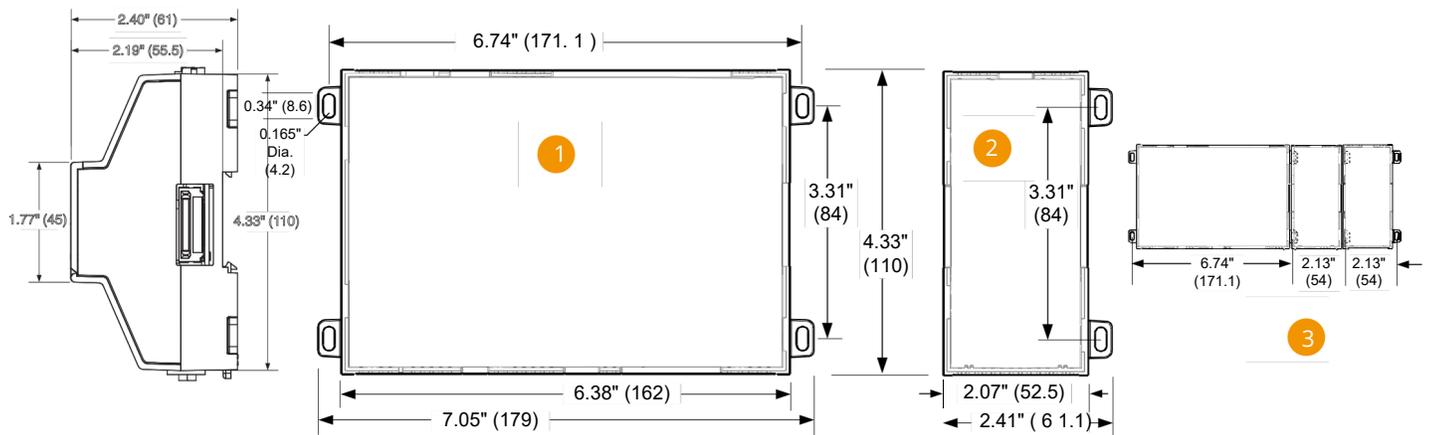• T-SEC-RIO*

*16 total each or combined

MAXIMUM COMBINATIONS

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

Expandability is dependent on the type of expansion module used

QHUNTER 9000 CONTROLLER MOUNTING & DIMENSIONS

(1) QHunter 9000 controller. Allow at least 1.5" (38mm) clearance around all sides and minimum 3" (76mm) at bottom for optional Wi-Fi antenna

(2) Expansion module. Up to four (4) may be used. See "Expansion Module and IO Configurations"

(3) Distances between center of tabs from one unit to another unit

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

Vizio stencils available upon request

AGENCY CERTIFICATIONS

- UL 916
- CE EN 61326-1
- MAA
- FCC Parte 15 Sottosezione B, Classe B
- FCC Parte 15 Sottosezione C
- C-UL inclusa nella Canadian Standards Association (CSA) C22.2 N. 205-M1983 "Signal Equipment"
- Direttiva R&TTE 1999/5/CE
- CCC
- SRRC
- RSS
- RoHS

ENVIRONMENTAL SPECIFICATIONS

- 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+

QuickLink Solutions S.r.l.

www.qlsol.com