

JASIC-8000 Features

- TI AM3352: 1000Hz ARM® Cortex™-A8
- 1GB DDR3 SDRAM
- Removable micro-SD card with 4GB flash total storage/2GB user storage
- 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
- USB Type A connector
Back-up and restore support
- (2) isolated RS-485 with selectable bias and termination
- (2) 10/100 MB Ethernet ports
- Secure boot
- 24V AC/DC power supply
- Runs Niagara 4.1 and later
- Real time Clock
- Battery less

The JASIC-8000 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 JASIC-8000 a 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 mode for the JASIC-8000 controller is simplified and features standard drivers along with an optional IO and field bus expansion modules for ultimate flexibility and expandability. The JASIC-8000 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 JASIC-8000 controllers to aggregate information, including real-time data, history and alarms, to create a single, unified application.



EXPANSION MODULES AND IO CONFIGURATIONS

MAXIMUM EXPANSION MODULES SUPPORTED

NPB-80000-LON: 4

NPB-8000-232: 4

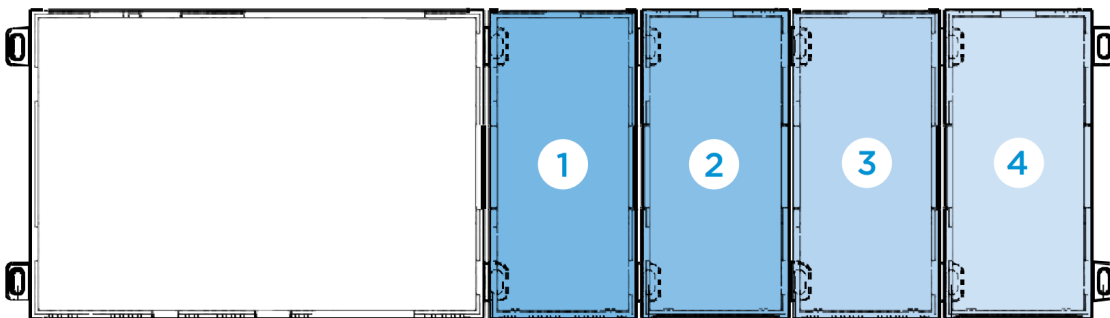
NPB-8000-2X-485: 2

MAXIMUM I/O MODULES SUPPORTED

T-IO-16-485: 16

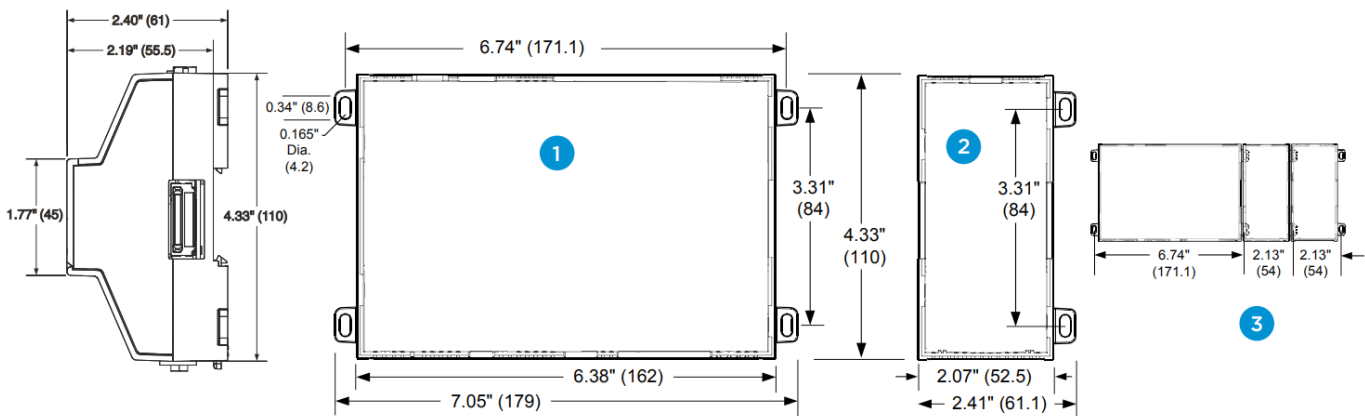
MAXIMUM EXPANSION MODULES SUPPORTED

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		



JASIC-8000 CONTROLLER MOUNTING & DIMENSIONS

1. JASIC-8000 controller. Allow at least 1.5" (38 mm) clearance around all sides and minimum 3" (76 mm) at bottom for 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 the other.



AGENCY CERTIFICATIONS

- UL 916
- CE EN 61326-1
- FCC Part 15 Subpart B, Class B
- FCC Part 15 Subpart c
- C-UL listed to Canadian Standards Association (CSA) C22.2 No. 205-M1983 "Signal Equipment"
- 1999/5/EC R&TTE Directive
- CCC
- SRRC
- RSS
- ROHS

ENVIRONMENTAL SPECIFICATIONS

- **Operating Temperature:** -20-60°C
- **Storage Temperature:** -40-85°C
- **Humidity:** 5%-95%— Non condensing
- **Shipping and Vibration:** ASTM D4169, Assurance Level II
- **MTTF:** 10 years+