

IT-300-E Integration Platform

A member of the American Auto-Matrix Integra suite of java-based controller/server products, the IT-300-E is specifically designed for commercial applications and offers seamless integration capabilities for common communication protocols and legacy systems, creating a complete real-time supervisory network.

The IT-300-E includes a growing library of communication drivers as well as a browser-based Graphical User Interface that permits users to manage and control fundamental systems over the Internet and deliver real-time information without the need for dedicated workstations and client software.

FEATURES

- Integrates seamlessly with BACnet, American Auto-Matrix PUP, PHP protocols with appropriate drivers
- Fully compatible with popular open system protocols including BACnet, LonWorks, Modbus and OPC with the appropriate optional drivers
- Complete high-level functionality including alarming, trending, scheduling and custom sequencing
- Powered by Niagra™ Framework®, a universal software layer that provides the means to connect many devices through a unified network appliance
- Java-based Graphical User Interface (GUI) that is accessible from any standard web browser and does not require a proprietary software plug-in
- Capable of stand-alone or networked operation to allow sharing of data between multiple Integra devices
- Optional serial communication ports for flexible protocol device networking
- Intuitive multi-tier user security, configurable to allow/prevent access
- Real-time control functions provided as constant streams of data from individual systems and instantaneously transformed into a common model within the Integra device
- Supports up to 2 optional communication boards



APPLICATIONS

- Ideal for remote sites, small buildings, and for control distribution throughout larger facilities
- Supports a wide range of fieldbus for connection to standalone controllers or remote I/O
- Supports data over multiple networks, the ability to manage global control configurations, and the ability to host multiple client workstations simultaneously
- Integra Supervisor software can be used to consolidate real-time building data (e.g. history, alarms, etc.) from many Integra devices into a single application

SPECIFICATIONS

PLATFORM

PowerPC 405EX 400 Mhz processor

256 MB SDRAM & 128 MB flash

Data Recovery with SRAM

Real-time Clock

OPERATING SYSTEM

QNX RTOS

Oracle Hotspot Java VM

Niagra^{AX} 3.7.106 or greater

Niagra 4.0 ready

COMMUNICATIONS

Two 10/100 MB Ethernet ports - RJ-45 connection

One RS-232 port with DB 9 connector

One RS-485 port (up to 76.8k baud)

BATTERY BACKUP

Battery backup provided or all onboard functions

Battery is monitored and trickle-charged

Battery maintains processor operation through power failures for a pre-determined interval, and then writes all data to flash memory, shuts processor down, and maintains clock for a minimum of five (5) years

POWER SUPPLY

Varies by region locale (sold separately)

CHASSIS & MOUNTING

Construction : Plastic, DIN rail or screw mounting, plastic cover

Cooling : Internal air convection cooling

Dimensions : 6.313 x 4.820 x 2.438 in. (16.04 x 12.24 x 6.19 cm)

RESOURCE CAPABILITIES

Max devices per RS-485 port = 32

ENVIRONMENT

Operating Temperature 32° to 140° F (0° to 60° C)

Operating Temperature 32° to 122° F (0° to 50° C) w/ optional battery

Storage Temperature 32° to 158° F (0° to 70° C)

Relative Humidity 5% to 95% non-condensing

AGENCY LISTINGS

UL 916

C-UL listed to Canadian Standards Association (CSA)

C22.2 No. 205-M1983 "Signal Equipment"

CE

FCC part 15 Class A

RoHS Compliant

ACCESSORIES

NPM-256 Memory Expansion from 128MB to 256MB

NBP-LON 78 kbps FTT 10 A LON Adapter

NBP-2X-485 Dual-Port RS-485 Option Card

NBP-232 Single-Port RS-232 Option Card

IT-PWR 24v AC/DC Power Supply Module

IT-PWR-UN 90-263 VAC - 50/60 Hz Auto-Sensing Power Supply



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