Honeywell

ENTERPRISE Buildings Integrator™

Honeywell Enterprise Buildings Integrator™ *An integrated facility management solution.*

PRODUCT FEATURES:
- Provides monitoring, reporting and control of your people and the effective operation of your buildings
- Provides an "extensible open" that goes beyond traditional building automation, fire, and security systems
- Fully UL listed to provide authorized operators with 3-way command/control of any subsystem from any listed status
- Delivers the capabilities and information needed to improve operational efficiency, occupant comfort, productivity, and optimize system and equipment efficiency
- Operator navigation allowing access only to data and information appropriate for the specific user
- Fully scalable from a single application and controller, to enterprise integration with multiple applications and servers distributed across the Ethernet LAN and WAN
- Supports a wide range of third party systems, including Building Automation and Control Networks (BACnet), Local Building Supervisor Integrated (LNS), Standard Data Type Specification (SDS), Excel Building Supervisor Integrated (XBS), Excel Building Supervisor Integrated (XBS), Johnson Controls Metasys N2, Open Data, Modbus, Obvius, Triatek, Sauter, Trane, MicroNet, Marcstat, Excel Classic, FB2670/FB4 Plus, Delta 1000 and Delta 2000

APPLICATIONS:
- Enterprise-wide: Automated sequences of operation allow events in one subsystem to automatically and directly trigger events in another system. Example:
  - Tenant activates Fire Alarm pull station
  - Security CCTV cameras automatically capture the pre-recorded video leading up to the event
  - Doors are unlocked allowing safe egress while preventing the elevator to mistakenly recall
  - HVAC initiates proper fan pressurization control for smoke control system operation
- Integrated Security Management: Integrated access control, video surveillance, digital video storage and fulltime proper emergency procedures
- Multi-Monitor support on single client license
- Operator schedules alarm and event summaries
- Windows 2000 or Windows XP

Go to: **www.honeywell.com/ebi** *for additional information regarding our powerful software applications.*

Honeywell EBI is approved for use in the following categories:
- UL 864, UUKL Commercial Protective Signaling System
- UL 1076 - Proprietary Burglary
- ULI0981, Smoke Control Systems
- UL 294 - Access Control
- UL 916 - PULS Energy Management Equipment
- UL 1610 - BACnet Global Station Receiving Unit
- UL 1481 - Power Supply for Fire Protective Signaling
- UL 1076 - AVTA Proprietary Alarm Receiving Units
- UL 2017 - OS&E Process Management Equipment
- UL 60950 - NEMKO Telecommunications Equipment

- Applicable for use in UL2050, DoD, DCID, and SCIF high-security applications
- Approved by the California State Fire Marshal, SFM 6854
- Approved by the California State Fire Marshal, SFM 6854, and additional international agencies
- See individual product specification data sheets for specific approvals

Open System Integration – *EBI supports multiple industry standard communication protocols to allow enterprise-wide monitoring and control from a single client workstation.*

PRODUCT FEATURES:
- Supports BACnet, LonWorks, LNS, OPC, Modbus, and Advanced DDE
- BACnet and OPC discovery mechanisms to simplify engineering and configuration

APPLICATIONS:
- Monitoring and control of third-party HVAC central plant and unitary equipment, industrial controls, and other systems utilizing Open System Communication Protocols
- Monitoring third-party Life Safety Systems
- Integrated system sequences of operation
- History collection, trending, and global reporting of third-party open systems

BACnet, ASHRAE STD, SSPC 135-2001
- Client/Server Interface, Ethernet BACnet
- BACnet Ethernet & IP Support
- BACnet Gateway to MS/TP Support
- Uses EIA 709.2 for more information

Advanced Dynamic Data Exchange, (AdvDDE) and DDE
- Client supporting only AdvDDE

LonWorks® Network
- 4000 Ft. Max. (Fiber)
- LonWorks Network Services (LNS)
- Supports up to 32,385 LonWorks devices
- LNS DataServer, LNS Server
- Uses 709.1 Free Topology Twisted Pair (78 kbps for more information)

OLE for Process Control (OPC)
- Supports wide array of existing and future OPC devices
- Uses native access to 32 characters

Modbus: Gould, Modbus Plus, Universal Modbus
- Gould Modbus to Modbus 584 and 984 PLCs
- MODS Intel Interface and Modbus TCP support

EBI HMIWeb Client Stations
- Static and roaming station monitoring
- Multi-Monitor support on single client license
- 40 simultaneous clients supported
- Terminal services support for remote access via PDA or other handheld device
- Alarm page capability for off-site notification including e-mail and SNMP support
- Supports Windows XP Pro and 2000 Pro
- Quality assurance: ISO 9001, ISO Level 3

Enterprise Systems Integration
Share information with personnel, office and financial system databases.

PRODUCT FEATURES:
- Supports Microsoft SQL Server 2000 EBI Controller Management System (CMS) database for database synchronization periodically or on demand
- Dynamic Controller Client Model (CCM) database integration interface option
- Open Database Connectivity (ODBC) support allows read-only access to EBI point, history, and event data for third-party applications and reporting

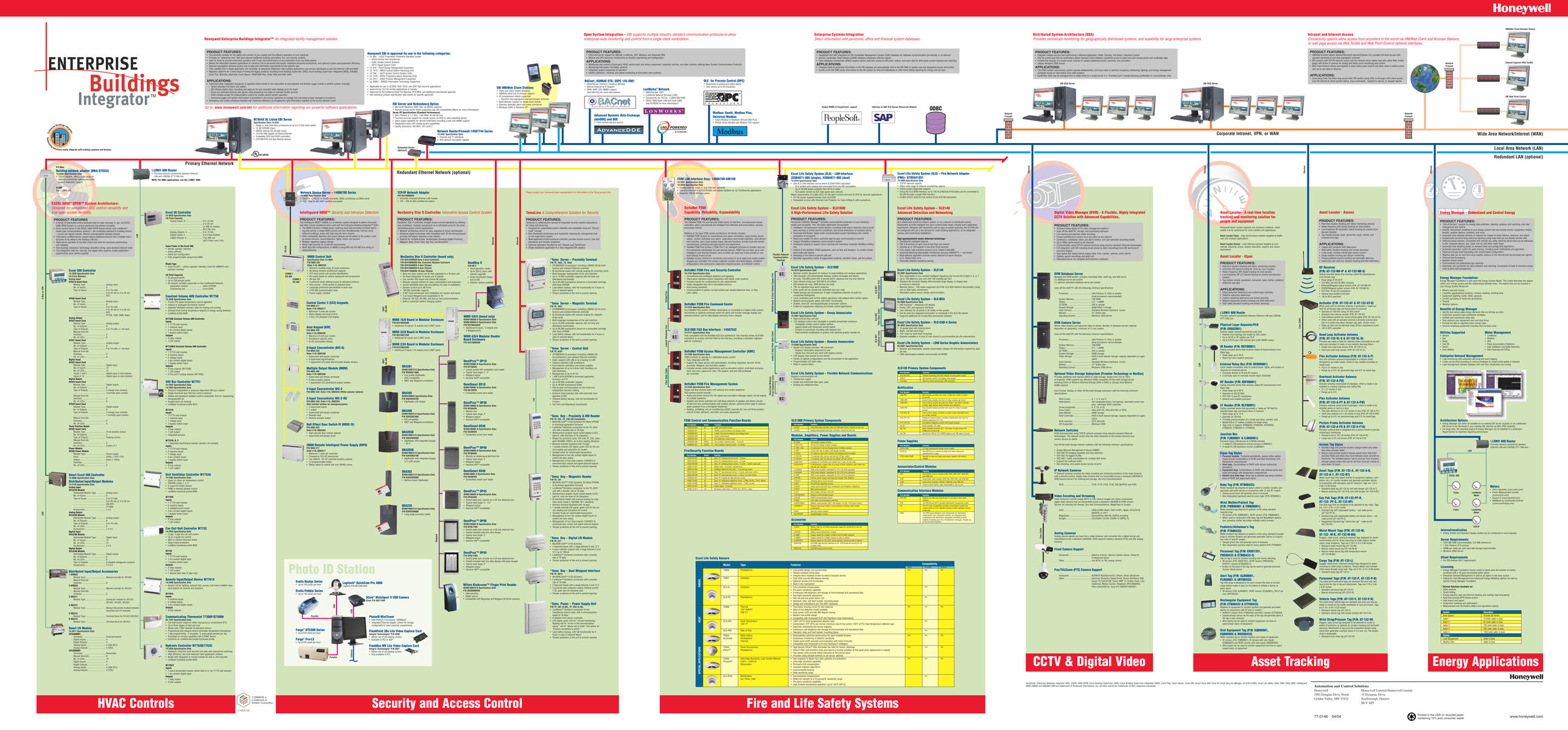
APPLICATIONS:
- Enterprise Reporting: Provides all information in the HMIDatabase are automatically sent to the EBI CMS to update area and equipment access information
- Events in the EBI CMS easily introduction to the HMI system for time and attendance or other hours billing reporting for energy and services

Distributed System Architecture (DSA)
Provides centralized monitoring for geographically distributed systems, and scalability for large enterprise systems.

PRODUCT FEATURES:
- Supports a wide range of third-party subsystems using a different application: HVAC Security, Life Safety, Industrial Control
- EBI for systems and EBI for workstations allows Operator Client Stations consistent access to both local and remote points and controller data
- Extends the capacity of a single server solution to support additional points, channels, and controllers
- Supports redundant servers

APPLICATIONS:
- The HVAC system and security system operate independently, with virtually any utility metering device that can be interfaced
- Supports Windows XP Pro and 2000 Pro Workstations and Windows 2000 Server

Intranet and Internet Access
Connectivity options allow access from anywhere in the world via HMIWeb Client and Browser Stations, or web page access via Web Toolkit and Web Point Control optional interfaces.

PRODUCT FEATURES:
- Web Toolkit provides a powerful, yet easy to use, HMIWeb Internet Explorer (IE) provides full-client access with operator permissions and zone navigation enforced
- EBI systems with TCP/IP network access and the network server option may also utilize Web Toolkit and Web Point Control interfaces to provide web page access to system graphics and data
- Web Point Control utilizes a static display option to allow status point control and allow users to define values. Java is not used in advance

APPLICATIONS:
- Users away from the office may access their EBI system using VPN, or through a thin client access over the Internet to check system status, issue commands, respond to alarms, or request reports.