Honeywell Enterprise Buildings Integrator

Honeywell Enterprise Buildings Integrator (EBI) *An integrated facility management solution.*

PRODUCT FEATURES:
- Fully integrated platform for the open control of your great-and-for-effective operation of your buildings
- Provides an "enterprise view" that gives important multilevel building automation, fire and security systems
- Powerful, flexible graphics capabilities provide operators with intuitive, easy-to-use tools for alarm and event administration
- Delivers the ultimate in open connectivity, supporting a wide range of industry-standard communications protocols and equipment efficiency
- Features a distributed database and client/server architecture for maximum performance and reliability
- Fully scalable from a single application and workstation, to enterprise integration with multiple applications and servers distributed across the Ethernet, LAN and WAN
- Supports a wide range of Honeywell and third-party field devices, including Honeywell's new Excel 5000 Open controllers, WEBs-AX, XL Web, XL10, XL50, XL100, XL1000, Spyder, TotalPlant Solo, Modbus, BACnet, LonWorks, and M-Bus devices

APPLICATIONS:
Honeywell Enterprise Buildings Integrator (EBI) applications are ideal for users who require a powerful, yet easy-to-use, solution for managing a facility which:
- Spans one or more buildings, campuses or operation where events in one subsystem to automatically and directly trigger events in another system, Example: Fire Alarm > Unlock doors
- Requires a single workstation to monitor and control all systems, Example: Access Control > Close CCTV camera on door
- Spans one physical site/area with regional offices requiring the roles to maintain facility security
- Requires a single workstation to monitor and control all systems, Example: Access Control > Close CCTV camera on door
- Requires a secure and reliable information infrastructure to accommodate the various systems and integrate them into a single emergency procedure
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Note: The document graphically represents the various systems Honeywell can integrate and not to be used for system design.

Go to *www.honeywell.com/ni for additional information regarding Honeywell Enterprise Buildings Integrator.*

Go to *www.honeywell.com/ni/ebi for additional information on the entire offering of Honeywell systems and products.*

Honeywell EBI is listed for use in the following categories:
- UL 864 9th Edition Standard
- UUKL Underwriters Laboratories Inc. Listed
- ANSI Central Station Receiving Unit
- ULC Canadian Standard Association Certified
- UUKL Listed Proprietary Burglary Unit
- UUKL Listed Local Alarm Unit (Equipment)
- UL 916 - AMCV Control Station Receiving Unit
- UL 1076 - Proprietary Burglary Unit (Equipment)
- UL 1610 - Central Proprietary Alarm Receiving Unit
- UL 2050 - National Industrial Security System (Equipment)
- UL 2610 - AMCO Information Technology Equipment

Honeywell EBI is listed for use in the following categories:
- FM Approved 3260 - Central Station Alarm Service
- ANSI Central Station Receiving Unit
- ULC Canadian Standard Association Certified
- UUKL Listed Proprietary Burglary Unit
- UUKL Listed Local Alarm Unit (Equipment)
- UL 1076 - Proprietary Burglary Unit (Equipment)
- UL 1610 - Central Proprietary Alarm Receiving Unit
- UL 2050 - National Industrial Security System (Equipment)
- UL 2610 - AMCO Information Technology Equipment

W7761A/B UL Listed EBI Server
Specification Data Sheet:
- Rack-mount configuration
- Intel Pentium 4 processor
- 512 MB SDRAM
- 80 GB hard disk drive
- Dual 10/100/1000 Gigabit on-board Ethernet
- Windows 2000 Server operating system
- 2/3/2000/2000 and NT 4.0 Client license options

EBI Server and Redundancy Option
- Microsoft Operating System and dual, 2.4x4 Server kit for redundant support
- Redundant Server Option Kit for Windows 2000 Server and Windows NT 4.0 Server environments
- Simplified backup software by Symantec (two EBI Compatibility Matrix for more information)
- Dual Ethernet Network Interface Cards
- Dual Pentium 4, 2 GHz, 2 GB RAM, 36 GB HD
- Dual Redundant Array of Independent Disks (RAID) 1 with 36 GB of Ultra 160/320 drives
- Mirror image capability for all data and applications including a hot and SNMP support
- Dual redundant power supplies
- Quality assurance: ISO 9001, SAS Level 3

CBI WebWatch Client Stations
- Web access station browser
- Windows 2000 Professional
- Air conditioners (rents required)
- Web Monitor support on single client station
- Web Monitor support on single client station
- Windows 2000, Windows Server 2003 or Windows XP Pro

Network Switch/Firewall +ADDITIVE Series
- Ethernet switch with firewall
- Ethernet switch with firewall

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

PRODUCT FEATURES:
- Direct connectivity to BACnet, LonWorks, OPC, Modbus and Honeywell EBI
- Native LonWorks interface to simplify engineering and configuration of BACnet, LonWorks and OPC integrations

APPLICATIONS:
- Integrating HVAC, fire, security, access control and video systems in applications such as airports, campuses and other systems utilizing Open System Communication Protocols
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BACnet, ASHRAE 135, ISO/IEC 13 5
- BACnet Building Controllers (B-BC)
- BACnet Advanced Application Controllers (B-AAC)
- BACnet Application Specific Controllers (B-ASC)
- BACnet Smart Sensors (B-SS)
- BACnet Smart Actuators (B-SA)

LonMarks® Network
- LonMarks Building Controllers
- LonMarks Building Gateways
- LonMarks Building Routers
- LonMarks Building Interfaces
- LonMarks Building Servers

OPC for Process Control (DPC)
- Real-time or historical data collection
- Alarm and event collection

Modbus
Modbus Serial, Modbus Plus, Modbus TCP/IP
- Modbus Serial Master and Slave RTU
- Modbus Serial Master and Slave ASCII

Honeywell

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

PRODUCT FEATURES:
- Open connectivity and interoperability offering HMI/Serving options to ERP systems such as PeopleSoft, SAP, etc. to provide an un-rekeyed database synchronization
- Supports Honeywell's Enterprise Buildings Integrator (EBI) system

APPLICATIONS:
- Automatically transfer information to the HR database as automatically as to the GE CMC to update and add employee information
- Automatically transfer information to the HR database as automatically as to the GE CMC to update and add employee information

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

PRODUCT FEATURES:
- Honeywell's Distributed System Architecture (DSA) offering a different server, operator, client, and LonWorks® network configuration
- EBI N series and EBI for LonMarks delivers Operator Client Station installed access to both local and remote points and LonMarks data
- Supports Honeywell's Enterprise Buildings Integrator (EBI) system

APPLICATIONS:
- Distributed system architecture is ideal for applications where operators need to monitor and control points and LonMarks data from multiple locations
- Distributed system architecture is ideal for applications where operators need to monitor and control points and LonMarks data from multiple locations

Intranet and Internet Access
Connectivity options allow access from anywhere in the world via HMI/Web Client and Browser Stations, or Web Appliance via Web Toolkit and Web Terminal Server interfaces.

PRODUCT FEATURES:
- Honeywell's Enterprise Buildings Integrator (EBI) system
- EBI N series and EBI for LonMarks delivers Operator Client Station installed access to both local and remote points and LonMarks data
- Supports Honeywell's Enterprise Buildings Integrator (EBI) system

APPLICATIONS:
- Distributed system architecture is ideal for applications where operators need to monitor and control points and LonMarks data from multiple locations
- Distributed system architecture is ideal for applications where operators need to monitor and control points and LonMarks data from multiple locations

HVAC Controls

XL Web Controller
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 2,000 points
- Up to 50 VAV terminals

XL10
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 1,000 points
- Up to 50 VAV terminals

XL50
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 1,000 points
- Up to 50 VAV terminals

XL100
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 1,000 points
- Up to 50 VAV terminals

XL1000
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 1,000 points
- Up to 50 VAV terminals

CP-PC Network Controller
CP-PCN Network Controller
W7Excel Router
- BACnet, LON, Modbus, Honeywell N2 Bus
- Web Supervisory and Client Server Applications
- Supports Excel 5000 Open Controllers, Excel 10, Excel 50, Excel 100, Excel 1000, XL Web Controllers, and Spyder BACnet Controllers
- Ethernet 10/100 Mbps
- Internal Modem
- Real-time clock

CP-PCN High Performance Controller
- 400 MHz Intel® Celeron® processor
- 64 MB SDRAM
- 32 MB Flash memory
- Real-time clock

ControlPanel
Supervisory Controller Solution

PRODUCT FEATURES:
- Supervisory controller for Excel 5000 Open Controllers and Excel 10 Controllers
- Provides supervisory control for up to 10 Excel 5000 Open Controllers or Excel 10 Controllers, and can be used to add additional functionality to Excel 5000 Open Controllers and Excel 10 Controllers
- Native BACnet and LonWorks® support

Excel 5000 Open Controllers
- Excel 5000 Open Controllers are the ideal solution for applications requiring a high degree of flexibility and expandability. Excel 5000 Open Controllers are available in a variety of models to support a wide range of input/output requirements. Excel 5000 Open Controllers are ideal for applications requiring a high degree of flexibility and expandability. Excel 5000 Open Controllers are available in a variety of models to support a wide range of input/output requirements.
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CP-7001 Advanced Application Controller for VAV Terminal Units
Specification Data Sheet: 63-2613
- 24 Vac/dc
- 12 Universal Inputs, 6 universal outputs
- Onboard Touch Pad and 2 x 16 LCD, for local configuration and monitoring
- Onboard Real-Time Clock, 8 x 8 DI, 4 Relay Outputs
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A

CP-7200 and CP-7202 Advanced Application Controller for VAV Fan Terminal Units
Specification Data Sheet: 63-2614
- 24 Vac/dc
- 12 Universal Inputs, 6 universal outputs, 2 universal outputs 0-10 Vdc, 4 DI, 4 Relay Outputs
- Onboard Real-Time Clock
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A

CP-7201 and CP-7201C Advanced Application Controller for Air-Handling Units
Specification Data Sheet: 63-2615
- 24 Vac/dc
- 12 Universal Inputs, 6 universal outputs, 2 universal outputs 0-10 Vdc, 4 DI, 4 Relay Outputs
- Onboard Real-Time Clock
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A

CP-UPC Universal Application Controller
Specification Data Sheet: 63-2616
- 24 Vac/dc
- 16 Universal Inputs, 6 universal outputs
- Onboard Real-Time Clock, 4 Relay Outputs
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A

CP-BAA300 – Programmable Valve Controller
- 24 Vac/dc
- 6 Universal Inputs
- 4 Digital Outputs
- Real-time clock

CP-VLA3200 – Programmable VAV Controller
- 24 Vac/dc
- 6 Universal Inputs
- 4 Digital Outputs
- Real-time clock

CP-VCA5000 – Programmable VAV Controller with Actuator
- 24 Vac/dc
- 6 Universal Inputs
- 4 Digital Outputs
- Real-time clock

Da-TRON & TRON-40
- Temperature, humidity, dew point, and enthalpy sensors
- Wall mount, ducted, or outside air
- Available with or without LCD

CP-SI-10125, CP-SI-40242
- Temperature, humidity, dew point, and enthalpy sensors
- Wall mount, ducted, or outside air
- Available with or without LCD

CP-SI-8000AM, CP-SI-40233AM
- Temperature, humidity, dew point, and enthalpy sensors
- Wall mount, ducted, or outside air
- Available with or without LCD

CP-PlusNet
Protocol Manuals: 63C-0000 Series
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A

ControlPanel Controller Base
CP-PCN Open Reflexor with 32MB of Flash
CP-PCN Open Reflexor with 64MB of Flash
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A

CP-5000 Series Sensors
- Temperature, humidity, and dew point sensors
- Wall mount, ducted, or outside air
- Available with or without LCD

Excel 10
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 1,000 points
- Up to 50 VAV terminals

Excel 50
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 1,000 points
- Up to 50 VAV terminals

Excel 100
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 1,000 points
- Up to 50 VAV terminals

Excel 1000
- Web-based control
- Native BACnet (XL Web 3)
- Native LonWorks (XL Web 2)
- Up to 1,000 points
- Up to 50 VAV terminals

Excel 5000 Open Controller
Specification Data Sh 63-2613
- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A
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- Supports Modbus, N2 Bus, BACnet MS/TP, LonWorks FTT-10A

Excel 5000 Controller
XL5K Controller
Specification Data Sh 63-2613
- 24 Vac/dc
- 12 Universal Inputs, 6 universal outputs
- Onboard Real-Time Clock, 8 x 8 DI, 4 Relay Outputs