OVERVIEW

The UltraSync Modular Hub is a smart security system ideal for residential installations requiring hardwired and/or wireless intrusion systems, as well as light commercial applications. With advanced features, industry-leading functionality and user-friendly operation, it delivers complete, cost-effective security, life safety, video and smart device, and interactive control.

The UltraSync Modular Hub supports an optional Z-Wave® radio module, which lets users control Z-Wave lights, thermostats and locks via the UltraSync mobile application available for iOS® and Android® devices. Users can create up to 500 zones (192 wireless) of intrusion detection and life safety coverage, as well as 96 partitions to separately secure multiple areas of a property. And since it can support up to 256 users, the UltraSync Modular Hub has the flexibility to adapt to future security needs.

An integrated Ethernet port facilitates communication with a central monitoring station over a broadband connection, and an optional cellular module is available for backup or primary reporting. A PSTN dialer is also standard, providing the ultimate in communication flexibility.

As part of the UltraSync family of products, the UltraSync Modular Hub helps set a new industry standard for scalability and flexibility, enabling security installers to leverage a single platform for all their installation needs—from small, wireless-only projects to a 500-zone, combination hardwired and wireless intrusion system.

STANDARD FEATURES

- Compatible with UltraSync 7” TouchScreen
- Hardwired and wireless touchscreen support
- Base system supports eight hardwired zones and five outputs
- Optional zone expansion modules for additional hardwired zones
- Optional wireless expansion module for wireless sensor support
- Integrated 10/100 Ethernet port (RJ-45)
- Integrated PSTN dialer
- Optional cellular modem designed for failover or primary system communication
- Optional Z-Wave module
- Optional relay expansion modules for hardwired output control
- Native web server for programming flexibility from local or remote PC or smart devices
- Upload/download support with DLX 900
- Remote firmware upgrades
- UltraSync smartphone/tablet app for iOS and Android devices
- Integrated support for IP cameras, including viewing of live video and replay of captured alarm- or action-triggered video events
- Up to 500 hardwired zones
- 192 wireless sensors (optional)
- 64 keyfobs (optional)
- 96 partitions
- 256 users
- 16 cameras
- Color-coded keypad status bar for easy visual identification of system status
- Residential and commercial UL/ULC Burglary
- Residential UL/ULC Fire
- Seamless interface with MASrecv™
- Supports SIA and CID reporting formats
- Complies with FCC and Industry Canada regulations
The UltraSync™ Modular Hub delivers the optimal solution for homeowners, business owners and security professionals alike.

**Secure**  
Communications between the hub and the monitoring station are encrypted, with all account information retained in the hub rather than the cloud. For added security, UltraSync features Rapid Pulse Entry Protection, which monitors the hub’s connection during entry delay. If the connection is disrupted, an alarm is transmitted to the monitoring station.

**Fast**  
All system intelligence, commands, processing and decision-making is done at the hub, making it fast and secure. Cloud-based servers are used only to transmit and direct mobile device communications back and forth with the hub.

**Easy**  
System programming and configuration can be done locally or remotely using the UltraSync mobile app, web interface or DLX900 downloader, saving time and money by reducing truck rolls for service calls and system reconfiguration. Local programming and configuration are also supported via the keypad.

**Convenient**  
Remote management capabilities and other convenience features are available through the UltraSync app, Z-Wave® device content, schedules and automations. One of UltraSync’s most powerful features, automation scenes enable the system to perform multiple actions automatically as a result of trigger activation.

Multiple local and remote programming options provide customized configuration to accommodate different installations. UltraSync enables full remote system programming and device enrollment, reducing the need for truck rolls for scene and schedule creation, system adjustments or minor system add-ons.
Smart security for the modern world

Designed with the needs of today’s home and business owners in mind, UltraSync™ lets users remotely control and automate systems with hardwired relay control or Z-Wave® devices, keeping perfectly in sync with daily routines and changing schedules.

Overview
Arm/disarm the system, check status and trigger automation from virtually anywhere.

Cameras
View live streaming video and action-triggered video events from the convenience of a smartphone or tablet.

Optimal remote system management
The UltraSync app extends the programming and interactive features of the UltraSync Modular Hub beyond the home and business.

Lights
Come home to a safer environment by turning on lights prior to arriving.

Door locks
Close the garage door from the comfort of your bed, or from your office, unlock a door to let a visitor into your home.

Thermostats
Remotely adjust thermostats to save energy and come home to the ideal temperature. Now compatible with Carrier’s Cor™ thermostat.

Sensors
View the status of security and life safety sensors, and be alerted when selected devices are opened or activated.
Outstanding wireless flexibility
The UltraSync™ Modular Hub supports wireless sensors via the addition of one or more installer-friendly wireless expansion modules.

Quick & easy installation
Simply connect a wireless expansion module to the system bus and enroll the wireless module to learn wireless devices into the system. Sensors are learned into the panel, not individual receivers, to make installation even easier.

Large system coverage & reception redundancy
Wireless sensor transmissions can be received by any wireless receiver within range and then forwarded to the CPU over the encrypted bus. For high-reliability installations, two receivers can be installed near each other to provide redundant reception of wireless sensors in the event of a damaged receiver.

For a large installation area, multiple receivers can be distributed throughout the area to provide overlapping coverage. The only limitation on the number of wireless receivers that can be enrolled into a system is the maximum bus capacity.
### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardwired Zones</td>
<td>Up to 500 total (3.3k EOL resistors)</td>
</tr>
<tr>
<td>Wireless Sensors</td>
<td>Up to 192, with optional wireless expansion module(s)</td>
</tr>
<tr>
<td>Outputs</td>
<td>5 x open collector</td>
</tr>
<tr>
<td>Users</td>
<td>256</td>
</tr>
<tr>
<td>Language</td>
<td>English</td>
</tr>
<tr>
<td>Communication/Reporting</td>
<td>Ethernet 10/100 Mbps, RJ-45 PSTN dialer Cellular (optional)</td>
</tr>
<tr>
<td>Data Bus</td>
<td>Bus extension up to an additional 2,600 ft (800m) with the addition of a Smart Power Supply</td>
</tr>
<tr>
<td>Screw Terminals</td>
<td>Removable, accepts 16 – 30 AWG</td>
</tr>
<tr>
<td>RF Receiver</td>
<td>Frequency 319.5 MHz Sensitivity -120 dBm</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>16 – 18 VAC, 18 – 26 VDC</td>
</tr>
<tr>
<td>Auxiliary Power</td>
<td>13.8 VDC +/- 0.2 V, 1 A max.</td>
</tr>
<tr>
<td>Auxiliary Shutdown</td>
<td>10 VDC</td>
</tr>
<tr>
<td>Current Draw</td>
<td>100 mA, CPU only</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>−30° to 140°F (−34° to 60°C)</td>
</tr>
</tbody>
</table>

### Operating Temperature

- **Non-UL/ULC Installations**: 14° to 131°F (-10° to 55°C)
- **UL/ULC Installations**: 32° to 120°F (0° to 49°C)

### Relative Humidity

- **Non-UL/ULC Installations**: 95% noncondensing
- **UL/ULC Installations**: 85% noncondensing

### Approval Listings

- FCC/IC
- UL-609 (Local burglar alarm units and systems)
- UL-636 (Holdup alarm units and systems)
- UL-365 (Police-connected burglar alarm units and systems)
- UL-985 (Household fire warning systems)
- UL-1023 (Household burglar alarm systems)
- UL-1076 (Proprietary burglar alarm units and systems)
- UL-1610 (Central station burglar alarm units)
- UL-1635 (Digital alarm communicator systems)
- UL-1637 (Home healthcare signaling equipment)
- CA State Fire Marshal (CSFM)
- ULC-S303 (Local burglar alarm units and systems)
- ULC-S304 (CMS burglar alarm units)
- ULC/ORD-C1023 (Household burglar alarm system units)
- ULC-S545 (Residential fire warning system control units)
- ULC/ORD-C1076 (Proprietary burglar alarm units and systems)
- SIA CP-01 2014

### Ordering Information

- **UM-5000-CPU**: UltraSync™ Modular 500-Zone CPU with IP and PSTN

### Accessories

For the current list of compatible accessory items, download the latest UltraSync Modular Hub Product Ordering Guide at interlogix.com/intrusion/category/accessories
UltraSync™ Modular Hub
UM-5000-CPU

Smart devices for enhanced protection & convenience

The UltraSync Modular Hub supports a variety of security and lifestyle accessories, making it easy to customize systems to meet each user’s needs and priorities.

Security

<table>
<thead>
<tr>
<th>Keyfobs</th>
<th>Door/Window Sensors</th>
<th>Motion Detectors</th>
<th>Glassbreak Sensors</th>
<th>Video Cameras</th>
<th>Environmental Sensors</th>
<th>7&quot; Touch Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-E101</td>
<td>TX-E231</td>
<td>60-807-95R</td>
<td>60-873-95</td>
<td>TVW-3120</td>
<td>TX-E611</td>
<td>Secondary Touch Screen</td>
</tr>
</tbody>
</table>

Life Safety

<table>
<thead>
<tr>
<th>Smoke and Heat Detectors</th>
<th>Carbon Monoxide Detectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>TX-6010-01-1</td>
<td>TX-6310-01-1</td>
</tr>
</tbody>
</table>

Smart Devices

<table>
<thead>
<tr>
<th>Locks</th>
<th>Thermostats</th>
<th>Appliance/ Lamp Modules</th>
<th>Lighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-CT32</td>
<td>IS-ZW-AM-1</td>
<td>IS-ZW-LM-1</td>
<td>IS-ZW-WR-1</td>
</tr>
</tbody>
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