

International HomeWorks System Architecture for 240VAC and 434/865/868 MHz regions

HomeWorks System Capacities

- 16 processors (max)
- 32 configurable links (max)
 - 32 QS wired links (max)
 - 15 Clear Connect–Type A links (max)²
- 10,000 zones³ (max)

Key - Wiring

Network link (Ethernet)

QS wired link*

Wireless link*

RS-232/RS-485

Palladiom HVAC Controller (3 conductor)

Shade wiring (4 conductor)*,**

Shade wiring (2 conductor)**

Clear Connect–Type X link

*Wire specifications:

Two pair: one pair 0.75–1.0mm²
one pair 0.5–1.0mm² twisted shielded
Pin-out: pin 1 - common, pin 2 - VDC,
pin 3 - MUX, pin 4 - MUX

Recommended cable: Lutron QS-CBL-LSZH-500

**The wire gauge required for shade power conductors is dependent on shade size and number, wire run length, and power supply type being used. Consult technical specifications of shade equipment for details.

QSX Processor

- Processor link — 2 RJ-45 Ethernet ports with built-in switch for daisy chaining processors (1 RJ-45 Port with HQP7-1)
- Configurable links (RS-485)
HQP7-2 offers two configurable links; HQP7-1 offers one configurable link.
 - QS wired link
 - QS wireless link (Clear Connect–Type A)
- 24-35 VDC powered
- Mounts in low-voltage enclosures, PD4, PD9, and PD9 DIN panel

HomeWorks Dual-Radio Wireless Processor

- Processor link — 1 RJ-45 Ethernet port
- Configurable links
 - QS Wireless link (Clear Connect–Type A)
 - Clear Connect–Type X
- PoE or PoE+ powered using an IEEE 802.3af, IEEE 802.3at or IEEE 802.3bt compliant supply

Network Link

Internet

Lutron app
Apple®, Android™

Lutron Designer
Design and programming utility

Home network with PoE switch or injector(s)

Third-party integration

- Standard Ethernet wiring (328 feet max) used to connect processors to network
- 10/100 Mbit Ethernet

Clear Connect Wireless – Type X

Controls and Interfaces

Vierti RF keypad

Vierti RF hybrid keypad

Lumaris RGB + tunable white tape light

Lumaris LED driver/radio

- 100 devices per dual-radio processor
- RF distance
 - 2 devices within 7.6m of dual-radio processor
 - All 100 devices on link within in 23m of dual-radio processor
 - Each device on link within 7.6m of two other devices on link
- 10m total of Lumaris per tape light controller
 - 5m max per run

QS Wired Link

- 100 devices¹ per link
- 512 zones³ per link
- 600m maximum wire length (consult technical specs for other applicable rules)
- Free-wire topology (star, daisy chain, home run, etc.)
- Standard Lutron 4 conductor cable*

Interfaces

CCQ/CCI DMX 512

Radio Powr Savr occupancy sensor

QSM

Radio Window sensor

WCI

Pico wireless control

Load controls

1A and 10A dimming DIN rail modules

5A and 10A switching DIN rail module

0-10V dimming DIN rail module

Motor control DIN rail module

DALI DIN rail module

GRAFIK Eye QS/Wallbox power module

Keypads

Alisse

Aviena

Palladiom

Signature Series

Square Palladiom

Architrave

Palladiom Thermostat

International seeTouch

Palladiom HVAC Controller (optional)

seeTouch

Shades

QSPS 10-output power panel

Flush-mounted power supply

QSPS-30 output power panel

Sivoia QS shades

Note: Not all available products are shown.
Not all products are available in every country.

Wireless Link

- 100 devices¹ per link (includes repeaters)
- 100 zones³ per link
- 4 repeaters per link
- RF distance—18m from repeater to repeater, 9m from device to repeater

Hybrid repeater

GRAFIK Eye QS

Pico wireless control

seeTouch tabletop keypad

Radio Powr Savr wireless occupancy/vacancy sensor

RF Softswitch module

RF 0–10V module

RF contact closure output module

In-line dimmer

In-line switch

In-line fan control

Plug-in lamp dimmer

Sivoia QS Wireless shades

Sivoia QS Triathlon shades

12V Panel

Plug-in power supply

Note: Not all available products are shown.
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¹ Device — Any system component that requires a single address. The processor reserves a single address on every link. Four addresses are reserved for hybrid repeaters on the wireless link.
² Number of wireless links varies by country.
³ Zone — An output. An individual shade or dimmer/QSG/contact closure output. Example: A GRAFIK Eye QS would be one device that could have up to six zones.
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