

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) | Palladiom HVAC Controller (3 conductor) |
| QS wired link* | Shade wiring (4 conductor)** |
| Wireless link* | Shade wiring (2 conductor)** |
| RS-232/RS-485 | 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

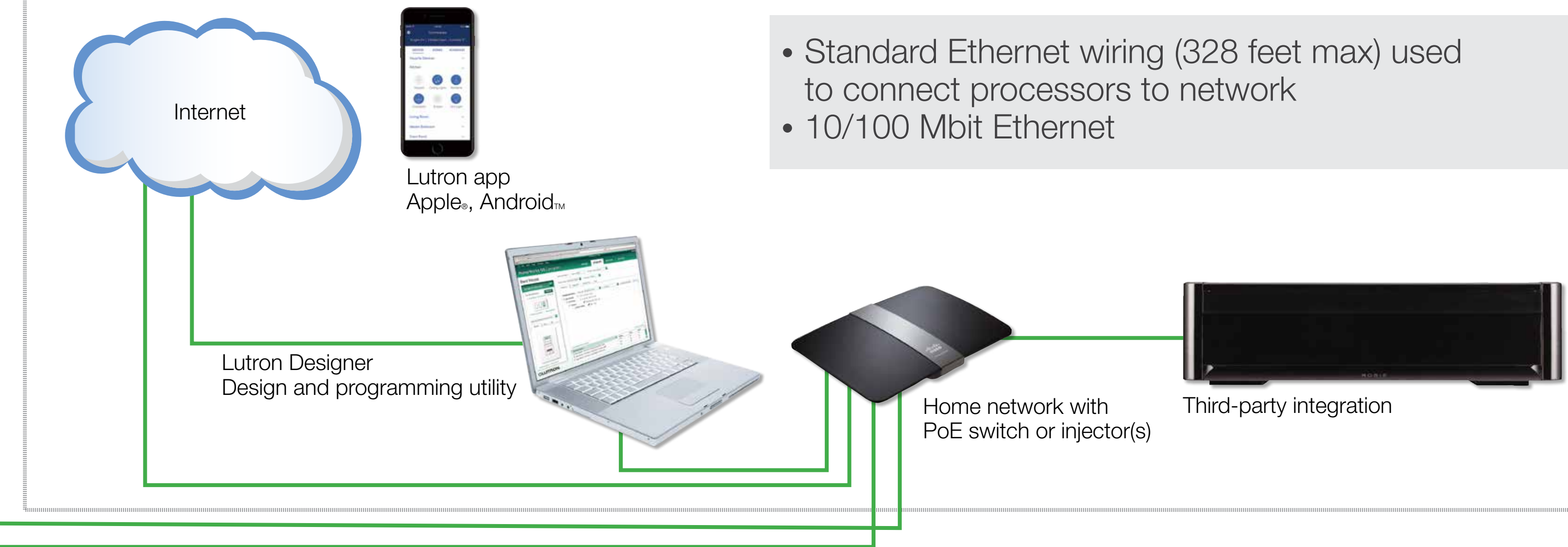
Key - Power

- 1 Line voltage 240 VAC
- 2 Low voltage 24 VAC
- 3 Low voltage 24-35 VDC
- 4 Low voltage 12VDC
- 5 Low voltage 9VDC
- 6 Battery powered

HomeWorks Dual-Radio Wireless Processor

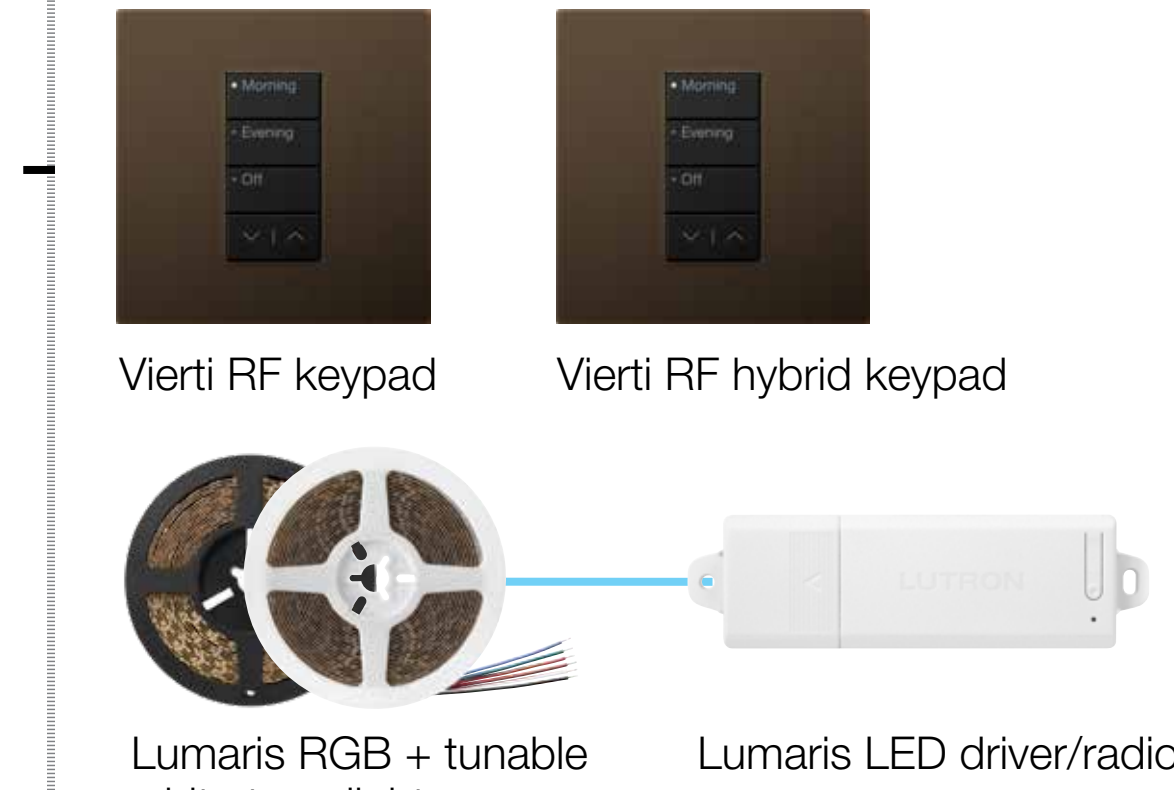
- Processor link — 1 RJ-45 Ethernet port
- Configurable links
 - QS Wireless link (Clear Connect–Type A)
 - Clear Connect–Type X
- PoE or PoE+ powered using an IEEE 802.3af, IEEE 802.3at or IEEE 802.3bt compliant supply

Network Link



Clear Connect Wireless – Type X

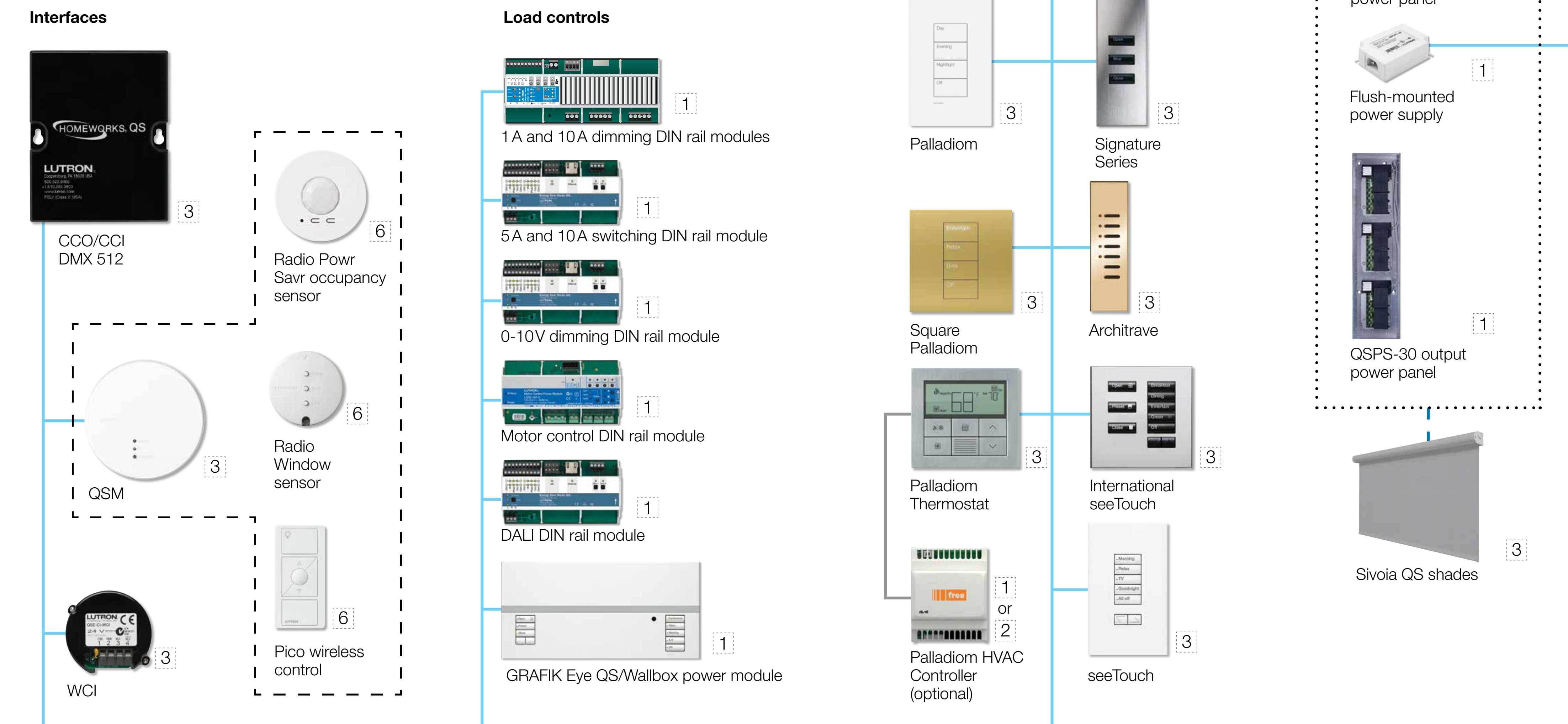
Controls and Interfaces



- 100 devices per dual-radio processor
- RF distance
 - 2 devices within 6m of dual-radio processor
 - All 100 devices on link within in 23m of dual-radio processor
 - Each device on link within 6m of two other devices on link
- 10m total of Lumaris tape per light controller
 - 5m max per run

QS Wired Link

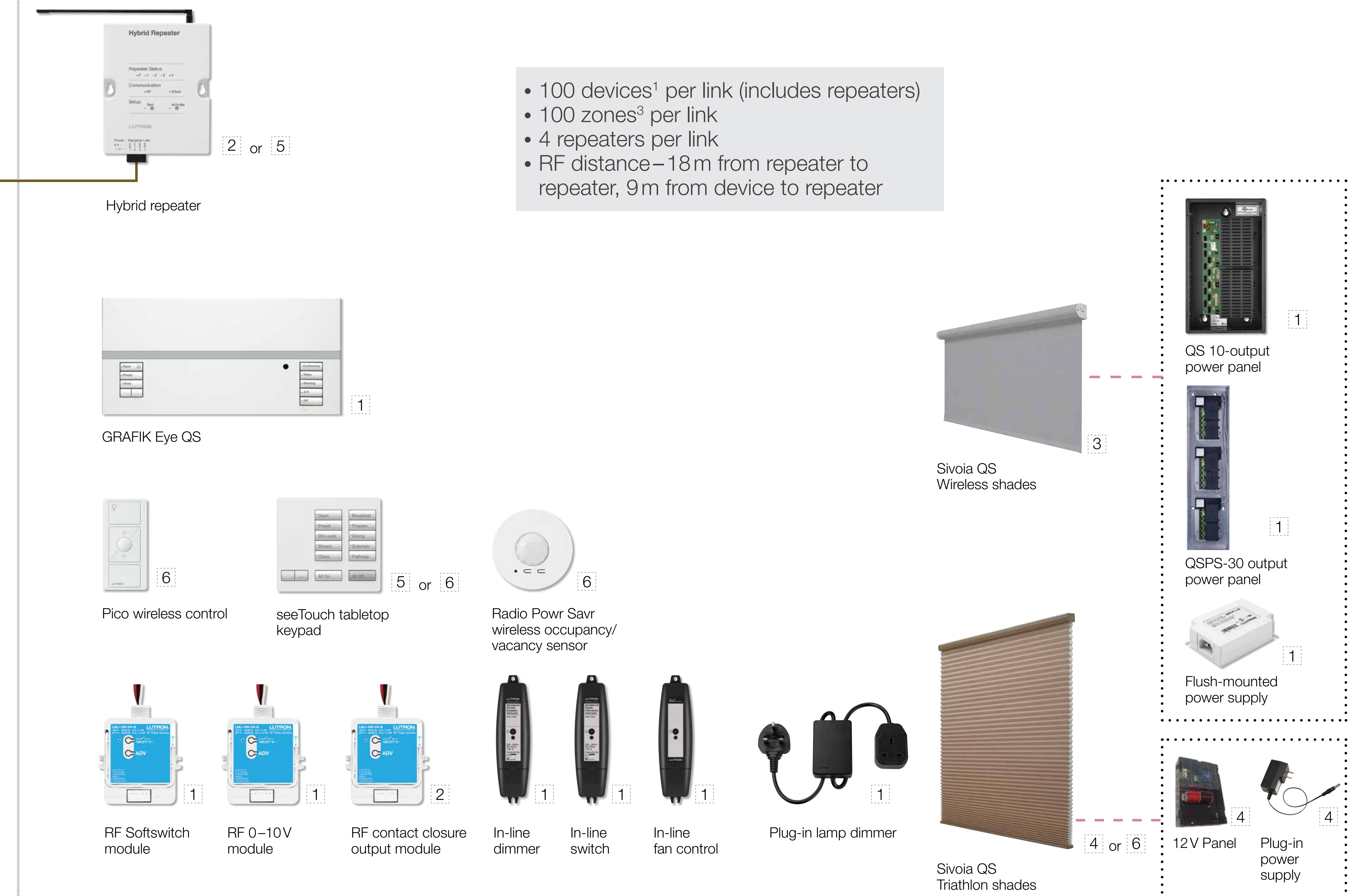
- 100 devices¹ per link
- 512 zones³ per link
- 600m maximum wire length (consult technical specs for other applicable rules)
- Free-wire topology (star, daisy chain, home run, etc.)
- Standard Lutron 4 conductor cable*



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



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

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.

Note: Not all available products are shown.