

International HomeWorks QS MDU System Architecture 240 VAC

HomeWorks QS MDU System Capacities

- 1 processor
- 1 QS link, 1 RF link
- 50 lighting and shade zones¹ total
- 50 devices² total

¹zone — An output. An individual shade or DPM/RPM/QSG/contact closure output.
Example: A GRAFIK Eye QS would be one device that could have up to six zones.

²device — 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.

Key - Wiring

- Processor and 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)**

*GRX-CBL346S-500

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

**The wire gauge required for shades 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.

Key - Power

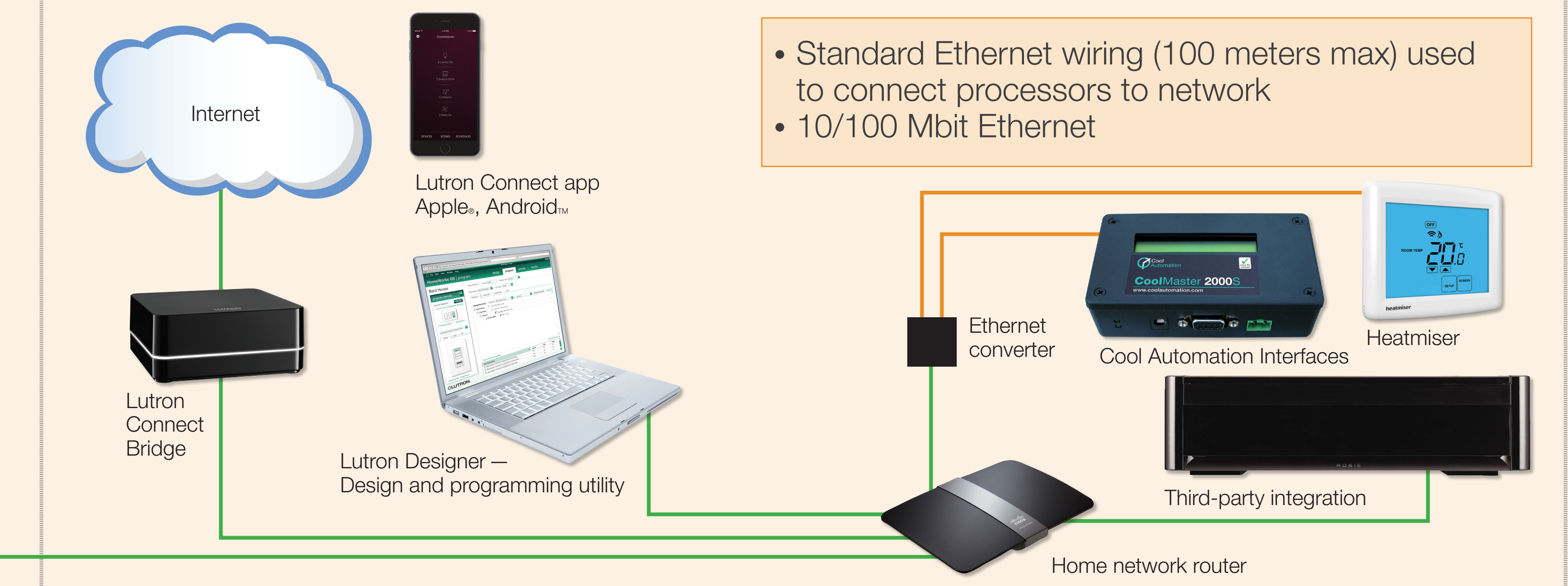
- 1 Line voltage
- 2 Low voltage 24 VDC
- 3 Low voltage 12VDC
- 4 Plug-in transformer
- 5 Battery powered

HomeWorks QS MDU Processor

- Processor link — 2 RJ-45 Ethernet ports with built in switch
- 2 links (RS-485)
 - QS wired link
 - Wireless link
- Legacy links (Requires software link license)
 - HWI Keypads
 - Q96/QED Shade Drives
- No RS-232 port
- 24VDC powered
- Mounts in a low-voltage enclosure.



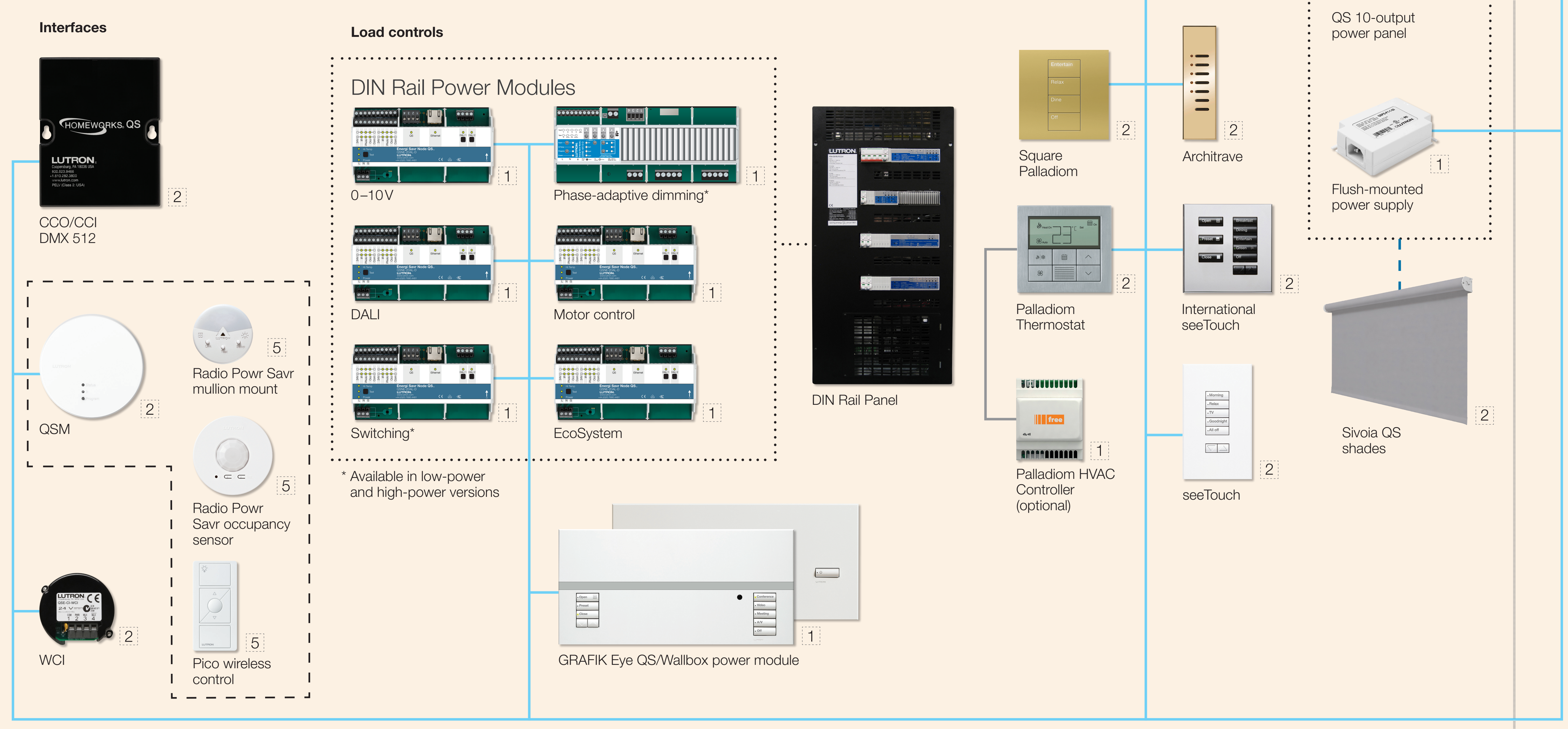
Network Link



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

QS Wired Link

- 50 devices² per link
- 50 zones¹ per link
- 600 meters maximum wire length (consult technical specs for other applicable rules)
- Free-wire topology (star, daisy chain, home run, etc.)
- Standard Lutron 4 conductor cable*



Wireless Link

- 50 devices² per link (includes repeaters)
- 50 zones¹ per link
- 4 repeaters maximum
- RF distance — 18m from repeater to repeater, 9m from device to repeater



Notes:
Wireless devices are not available in all countries.
Not all available products are shown.