

HomeWorks QS System Architecture for 120VAC and 434 MHz regions

HomeWorks QS System Capacities

- 16 processors (max)
- 32 configurable links (max)
 - 32 QS wired links (max)
 - 15 wireless links (max)
 - 32 panel links (max)
 - 10 Ketra N4 Hubs (max)
- 10,000 zones² (max)

¹device — 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.
²zone — An output. An individual shade or dimmer/RPM/QSG/contact closure output.
Example: A GRAFIK Eye QS would be one device that could have up to six zones.

Key - Wiring

- | | |
|---------------------------|---|
| — Network link (Ethernet) | — Palladiom HVAC Controller (3 conductor) |
| — QS wired link* | - - - - - Shade wiring (4 conductor)** |
| — Wireless link* | - - - - - Shade wiring (2 conductor)** |
| — Panel link* | |
| — Ketranet PLC | |
| — RS-232/RS-485 | |

*GRX-CBL346S-500 Two pair: one pair #18AWG
one pair #18–22AWG twisted shielded
Pin-out: pin 1 - common, pin 2 - VDC,
pin 3 - MUX, pin 4 - MUX

**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.

***One pair 22AWG twisted, shielded, Class 2 wires (max home run 500ft. per local control,
not to exceed 1000ft. total per bus).

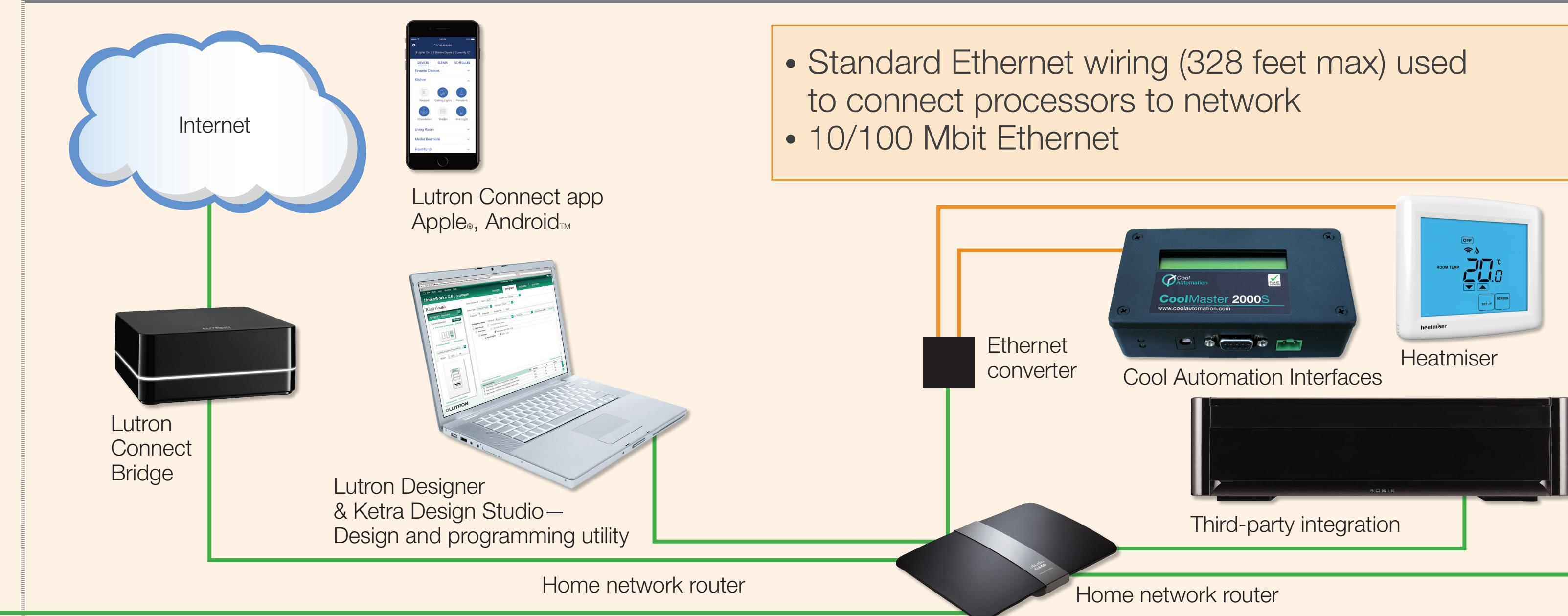
Key - Power

- 1 Line voltage 120VAC
- 2 Low voltage 24VAC
- 3 Low voltage 24VDC
- 4 Low voltage 12VDC
- 5 Plug-in transformer
- 6 Battery powered

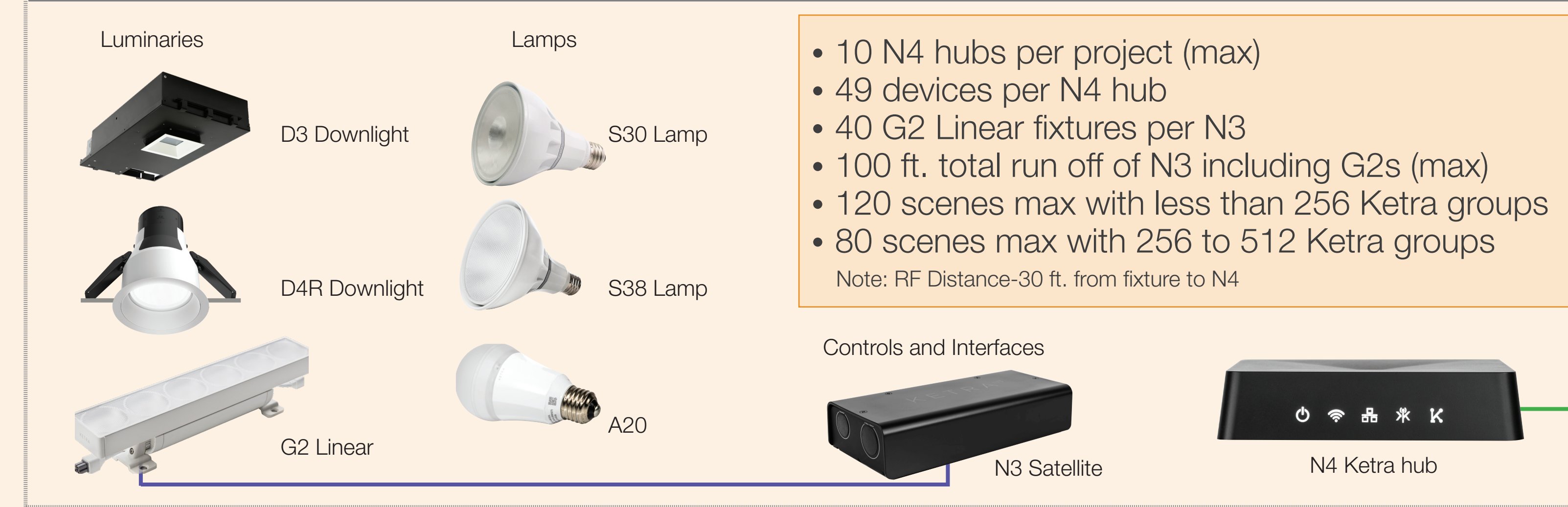
HomeWorks QS Processor

- Processor link — 2 RJ-45 Ethernet ports with built in switch for daisy chaining processors (1 RJ-45 Port with HQP6-1)
- Configurable links (RS-485) HQP6-2 offers two configurable links; HQP6-1 offers one configurable link.
 - QS wired link
 - Wireless link
 - Panel link
- Legacy links (Requires software link license)
 - HWI Keypads
 - Q96/QED Shade Drives
 - GRX/WPM
 - H48 wired dimmer link (not shown)
- No integrated interface cards
- No RS-232 port
- 24VDC powered
- Mounts in low-voltage enclosures and PNL-8

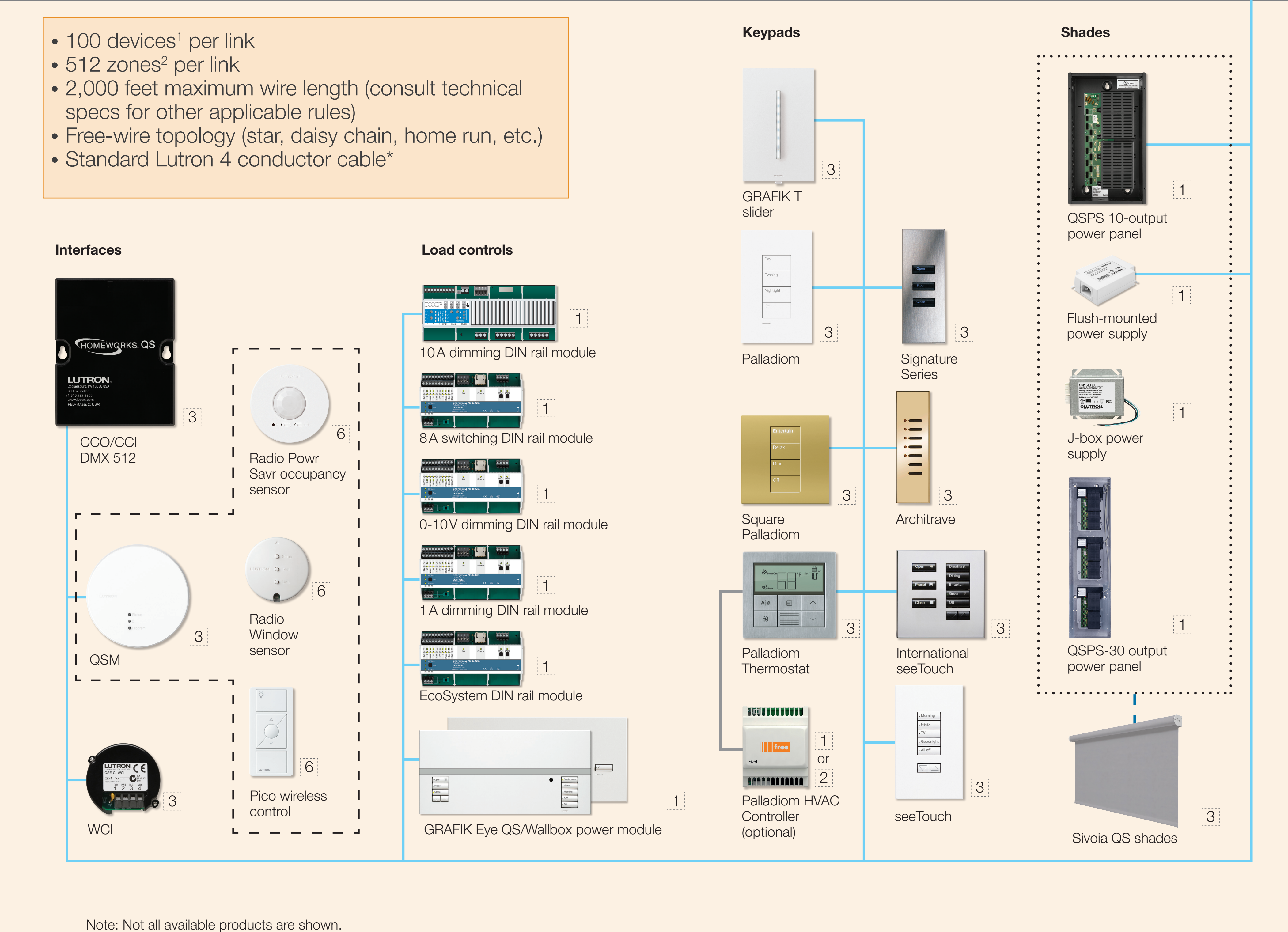
Network Link



Ketra



QS Wired Link



Panel Link



Wireless Link

