

COMPATIBILITY

LONGSPAN Max models are compatible with all standard LONGSPAN Base 8, LONGSPAN Base, Camera and Lite models. For full details of distances, available POE and the recommended power supplies, please see the tables in the LONGSPAN Application Notes and Datasheets.

POWER SUPPLIES

PRODUCT CODE	DESCRIPTION	POWER
VPSU-12V-U	Universal 12V DC PSU	-
VPSU-POE-100	54-57V DC PSU	100W
VPSU-POE-240	54-57V DC PSU	240W

SURGE PROTECTION

Any LONGSPAN network design for outdoor applications must incorporate the appropriate level of surge protection to avoid invalidation of warranty due to electrical storm damage. It is the responsibility of the system installer to ensure the correct level of protection.

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

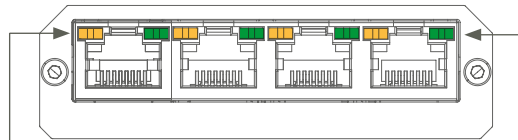
NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



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CONNECTIONS & LEDS

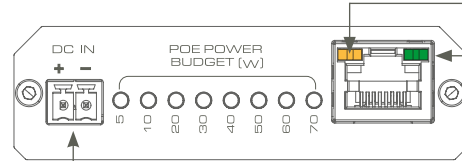


RJ45 Connectors

10/100Base-TX, auto speed, crossover, full duplex.
IEEE 802.3af/at/bt compliant.

LED	FUNCTION
RJ45 Yellow	On = link Blink = activity
RJ45 Green	On = POE enabled Blink = POE error Off = POE device not detected. Ethernet only

POWER BUDGETS



Optional Local Power

For maximum power output connect to a Veracity 54V-57V power supply only - in polarity shown.

Power Budget LEDS are as follows :-



LED FUNCTION	BLUE	PURPLE	RED
TOTAL POE POWER BUDGET FOR CAMERAS	On = available 5W blink = <5W	Approaching power limit	Power limit exceeded /error code

LONGSPAN Network and Optional Hi-Power POE Input

LED	FUNCTION
RJ45 Yellow	On = link Blink = activity
RJ45 Green	On = 100Mbps Flash = 10Mbps Off = no link

POE Power Budget LEDs

The POE power budget is the measured total available power for POE devices powered by the Quad unit. Power is limited either by the power delivered over the LONGSPAN link, or by the optional local power supply.

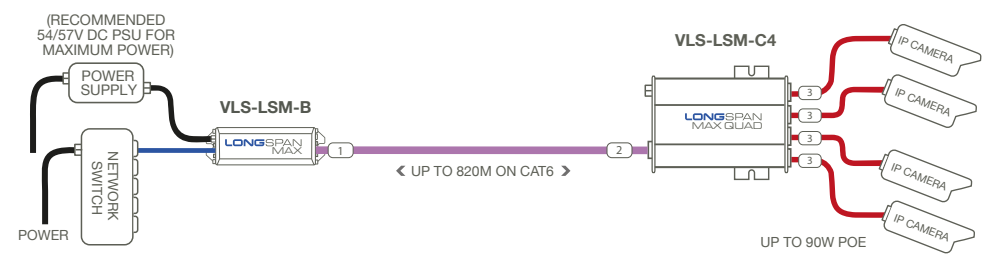
VLS-LSM-C4

QUICK START GUIDE

HI-POE 4 PORT ETHERNET EXTENDER
LONGSPAN™
MAX QUAD



APPLICATION DIAGRAM WITH HI-POE TRANSMISSION

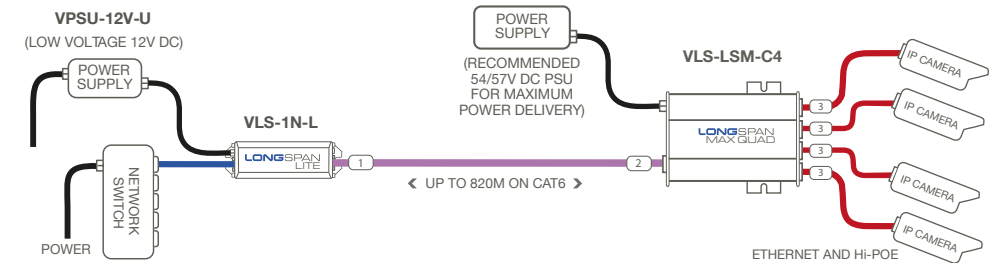


KEY — DATA ONLY — POWER OVER ETHERNET — LONGSPAN ETHERNET & POE
 ① ② ③ SURGE PROTECTION DEVICES RECOMMENDED FOR LONG OUTDOOR NETWORKS

- Connect a LONGSPAN Max Base to a LONGSPAN Max Quad and then connect to up to four POE cameras, or other POE devices.
- In this configuration it is necessary to power the LONGSPAN Max Base unit with a separate Veracity 54-57V DC power supply (Veracity PSU options are shown overleaf).

- The LONGSPAN Max Base unit can output a maximum of 90W POE depending upon the PSU.
- See LONGSPAN Max Base and Max Quad datasheets tables for distance vs power levels.
- CAT6 cable is recommended for increased POE delivery at distance.

APPLICATION DIAGRAM LOCAL POWER SUPPLY



KEY — DATA ONLY — POWER OVER ETHERNET — LONGSPAN ETHERNET
 ① ② ③ SURGE PROTECTION DEVICES RECOMMENDED FOR LONG OUTDOOR NETWORKS

- Connect a LONGSPAN Lite to a LONGSPAN Max Quad and the Quad to up to four POE cameras or other POE devices. No POE is delivered over the LONGSPAN link.
- In this configuration it is necessary to power the LONGSPAN Lite unit with a 12V DC power supply and the Max Quad unit with a Veracity 54-57V DC power supply (see PSU options).

- The LONGSPAN Max Quad unit can output up to 90W POE per port, but will be limited by the total power available from the local PSU.
- The distance between the Quad and the powered POE devices may be up to 100m, although the delivered power will reduce with distance.
- See LONGSPAN Max Quad datasheet table for POE output power budgets & PSU options.

LONGSPAN MAX QUAD DIMENSIONS

