

# FLEX24

## Upgrade to IP with Confidence



**FLEX** switches are based on Phybridge's proven **PoLRE® (Power over Long Reach Ethernet)** technology. The downlink ports on FLEX switches are capable of operating in two modes – Standard and PoLRE. In PoLRE mode, it can support distances up to five times the standard Ethernet reach when used with a FLEX adapter. FLEX24 is a 24 port managed Ethernet switch capable of linking with IEEE or Long Reach Ethernet partners. FLEX switches are designed specifically to enable easy deployment over UTP for reaches beyond that of standard Ethernet.

Powered by PoLRE, the FLEX switch backbone complements the data switch fabric and you are guaranteed a dedicated secure path and bandwidth for the video streams with no data LAN dependencies due to the physical separation of the video stream. Your bandwidth and power requirements are supported today and into the future.

FLEX switches have been designed from the ground up to meet the "five nines" high availability of service required by the surveillance industry. Solid and dependable, these switches are built to withstand tough operating environments.

The highly resilient and robust FLEX switches are equipped with industry leading power capabilities and come standard with PowerWISE® technology. Power sharing, load balancing, AC/DC options, and hot swappable power supply makes FLEX one of the most robust PoE switches available today.

**FLEX switches deliver Long Reach Ethernet and Power over UTP cable with over five times the reach of traditional Ethernet switches.**

Phybridge offers an industry leading QoS guarantee. We can do this with confidence because we leverage the existing, proven reliable point-to-point infrastructure to create a dedicated physical path for every IP Camera, ensuring data traffic has no impact on the video stream.

**Monitor, update and troubleshoot switches in real-time with the Simple Network Manager; an intuitive Web GUI that makes managing the switch a breeze.**

Operate the switch in secure transparent mode (bridge mode) with management still available over the console port. When operating in transparent mode, the switch functions as a bridge and is not visible on the network.

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FLEX24 Switch Technical Specifications																					
Model	FLEX24																				
Dimensions	19 inches x 1U Without rack ears: 4.45cm x 43.5cm x 25.2cm (HxWxD), 1.75" x 17.13" x 9.92" (HxWxD)																				
Weight	3.61 kg (7.96 lb.)																				
Mounting	Standalone or rack or shelf-mountable 2 brackets included for installation																				
Processor	Broadcom BCM56018 switch processor, 266MHz																				
Memory	32MB FLASH, 64MB DDR SDRAM																				
Interface: Ethernet uplink (Trunk IP)	Maximum 2 uplinks, each 1Gb/s (full duplex), either: <ul style="list-style-type: none"> <li>• 2 mini-GBIC ports: 1000 Base-TX/SX/LX/EX/ZX/LHX (determined by SFP, transceiver module installed), Ethernet IEEE 802.3z, fiber optic cable, or</li> <li>• 2 RJ45 ports: 10/100/1000 Base-T autosensing, independent speed selection, Ethernet IEEE 802.3, CAT5e copper cable</li> </ul>																				
Interface: Downlink (PoE and IP to adapter)	24 x RJ45 Jacks Speed: 10/100Mb/s (full duplex) PoE power: 60 Watts Maximum Maximum distance: <table border="1" data-bbox="555 936 1337 1108"> <thead> <tr> <th>Mode</th> <th>Cable</th> <th>Data Rate</th> <th>Reach</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>2 pair x CAT5</td> <td>10/100 Mbps</td> <td>100m / 328'</td> </tr> <tr> <td>LRE</td> <td>2 pair x 24AWG</td> <td>100 Mbps</td> <td>300m / 984'</td> </tr> <tr> <td>LRE</td> <td>4 pair x 24AWG</td> <td>100 Mbps</td> <td>450m / 1476'</td> </tr> <tr> <td>LRE</td> <td>4 pair x CAT5</td> <td>100 Mbps</td> <td>500m / 1640'</td> </tr> </tbody> </table> <p><i>*LRE Mode requires use of FLEX adapter</i></p>	Mode	Cable	Data Rate	Reach	Standard	2 pair x CAT5	10/100 Mbps	100m / 328'	LRE	2 pair x 24AWG	100 Mbps	300m / 984'	LRE	4 pair x 24AWG	100 Mbps	450m / 1476'	LRE	4 pair x CAT5	100 Mbps	500m / 1640'
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Management	1 LAN port (MGMT): RJ45, 10/100 Base-T autosensing, IEEE 802.3 1 UART console port: RJ45 to DB9 cable																				
Power supply	Hot-Swappable Power Supply Unit Autosensing 100-240VAC, 50/60 Hz Power output: 500W max at 100VAC, 1000W max at 240VAC* <i>*Optional 1000W and 1600W power supplies available at additional cost.</i>																				
Power consumption	17W																				
Power injection (PoE)	DC voltage: 48VDC to 56VDC IEEE 802.3af/at																				
PowerWISE® power sharing	2 male connectors (rear), DC IN and DC OUT: 48VDC to 56VDC																				
Operating temperature	-10° C to 50° C																				
Humidity	10% to 95% (non-condensing) at 35° C																				

Specifications are subject to change without notice.

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