



## PRESS RELEASE

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### **barox release the ultra-dynamic KN-LGIPR38-28AD 24-port, 10Gb Managed Industrial Ethernet PoE switch**

barox Kommunikation AG, the global manufacturer of professional switches, media converters and IP extenders specifically designed for video applications, has released the new ultra-dynamic KN-LGIPR38-28AD, 24-port, 10Gb Managed Industrial Ethernet PoE+ switch.

In addition to employing the usual extensive barox cyber security features, the new KN-LGIPR38-28AD includes 90~264VAC and 57VDC power inputs, enabling up to 720W PoE capability, and power redundancy with either two DC, or one DC and one AC power supplies. Core features also include 10Gb and 30W of IEEE 802.3at PoE+ at each of its 24 x 10/100/1000Base-T RJ45 ports.

Designed in a 19-inch rack-mount format, new KN-LGIPR38-28AD also features four SFP/SFP+ 1G/10G fibre uplink ports, whilst OSPFv2/v3 routing protocols brings layer-2/3 functionality and 10Gb performance to industrial applications - a sector that requires high performance solutions - driven by the ever-increasing demands of HD video surveillance networks.

Additionally, a fanless design coupled to an extended working temperature range covering -40 to +75°C makes the new KN-LGIPR38-28AD robust, to handle the most demanding of installation environments, even when installed in a cabinet. Furthermore, IEEE 1588 V2 and PTP (Precision Time Protocol) compliance enables maximum flexibility in system design for installers and end-users, particularly for inclusion into CNI (Critical National Infrastructure), utilities, Smart Cities and substation environments.

The KN-LGIPR38-28AD supports Jumbo frames at 100 Mbit/s, whilst each channel is continually monitored and in the event of a camera failure the new 24-port 10Gb switch will

GPM/barox/KN-LGIPR38-28AD 24-port, 10Gb switch/V3 SM

automatically attempt a camera re-boot. At the same time, the switch can be configured to send an SNMP message as a real-time alert.

### **PoE functionality**

An important facet for high-security applications, ensuring cameras stay operational, the KN-LGIPR38-28AD features a PoE 'Keep Alive' function that checks whether the end device is still reachable. If not, PoE is restarted according to its set-up configuration. Preventing the PoE power supply from being overloaded, when the switch is powered up, the individual PoE ports can be set to start-up with a time delay. Other features include a PoE timer and priority PoE control.

When a re-boot task needs to be performed i.e., when changing network cameras or updating firmware, 'Non-stop PoE' function can be set to supply all ports with 'always on' power. This clever functionality allows all connected cameras to stay powered, meaning no vital camera video footage lost during routine engineering procedures - another important feature for high-security applications. In addition, preventing the PoE power supply from being overloaded, when the switch is powered up, the individual PoE ports can be set to start-up with a time delay.

Other safety features include active management of PoE, active and graphical long-term monitoring of the PoE power supply, and active camera/device monitoring. "barox's expertise in the video and data transmission sector has produced a real industry-leading design, delivering layer-2/3 functionality with 10Gb capability, whilst providing customers with cutting-edge Ethernet and PoE transmission technology - all in a 24-port format," says Rudolf Rohr, barox Co-founder & Managing partner. "With these features, the new barox KN-LGIPR38-28AD ensures greater customer security and system-design flexibility – all alongside the usual barox easy set-up and configuration."

For more information on the full range of barox managed and unmanaged industrial media converters and professional PoE video switches, customers can contact barox on Tel: 01622 910044 Email: [info@barox.uk](mailto:info@barox.uk) or visit [www.barox.uk](http://www.barox.uk)

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