



| Rackmount Managed PoE Switch | | | | |
|---|--|---|--|---|
| Interface | 28 | | 28 | |
| Total Ports Number | 28 | 28 | 28 | 28 |
| 10/100/1000TX Ports | 24(PoE+) | 24(16 PoE+) | 4(PoE+) | 4 |
| 10/100TX Ports | | | 20(PoE+) | 20(16 PoE+) |
| 100/1000M Combo | | | 4 x 1000M | 4 x 1000M |
| SFP Ports | 4 x 1000M | | | |
| DI/DO (Dry Relay) | DO | | DO | |
| Console/USB | RS232/USB | | RS232/USB | |
| DC Power input | 2x44-57VDC(IEEE 802.3af) 2x50-57VDC(IEEE 802.3at) | | 2x44-57VDC(IEEE 802.3af) 2x50-57VDC(IEEE 802.3at) | |
| AC Power input | 1x90-264 VAC | | 1x90-264 VAC | |
| Features | | | | |
| korenix Cyber Redundancy+ (MSR, MultiRing, TrunkRing, RDH, SuperChain, ITU-T G.8032 ERPS) | ● | ● | ● | ● |
| korenix Cyber Security+ (DHCP Snooping, IP Source Guard, DAI, DOS) | ● | ● | ● | ● |
| IPv4/IPv6 ACL(L2/L3/L4) Security | ● | ● | ● | ● |
| Industrial Protocol (Modbus/TCP, EtherNet/IP) | ● | ● | ● | ● |
| EEE Energy Saving | ● | ● | ● | ● |
| Korneix Veiv/Korenix NMS | ● | ● | ● | ● |
| PoE Features | | | | |
| PoE Wiring | 1,2,3,6 | | 1,2,3,6 | |
| PoE Specification | IEEE802.3af, IEEE802.3at | | IEEE802.3af, IEEE802.3at | |
| PoE Technology | PoE Priority Control, PD keep alive checking, PoE Scheduling | | PoE Priority Control, PD keep alive checking, PoE Scheduling | |
| Embedded AC power | 300W | | 300W | |
| Total Power Budget | 230W@AC(75°C), 300W@AC(-40~60°C), 720W@DC(-40~75°C) | 230W@AC(75°C), 300W@AC(-40~60°C), 480W@DC(-40~75°C) | 180W@AC(75°C), 270W@AC(-40~60°C), 650W@DC(-40~75°C) | 180W@AC(75°C), 270W@AC(-40~60°C), 480W@DC(-40~75°C) |
| SW/Protocol | | | | |
| IPv6 Management | ● | ● | ● | ● |
| RSTP/MSTP | ● | ● | ● | ● |
| Traffic Priority (QoS) | 8 Queues/port | | 8 Queues/port | |
| VLAN,P-VLAN, QinQ, GVRP | 4k VLANs | | 4k VLANs | |
| IGMP Query, Snooping, GMRP | ● | ● | ● | ● |
| IEEE 802.1AB LLD Network Discovery | ● | ● | ● | ● |
| IEEE 802.3ad LACP | ● | ● | ● | ● |
| IEEE 1588 PTP v1/v2 | HW time stamping | | SW based | |
| Jumbo Frame/MAC Address | 9.2kbytes/16K | | 9.2kbytes/16K | |
| Broadcast Storm Protection | ● | ● | ● | ● |
| DDM SFP | ● | ● | ● | ● |
| IEEE 802.1x, IP/Port Security | ● | ● | ● | ● |
| SSL/HTTPS, SSH/Telnet | ● | ● | ● | ● |
| TACACS+, Radius | ● | ● | ● | ● |
| SNMP/RMON/Trap | ● | ● | ● | ● |
| CLI/Web/Telnet | ● | ● | ● | ● |
| HW/ME | | | | |
| Ingress Protection/Housing | IP40 | | IP40 | |
| Dimension (HxWxD mm) | 44 x 440 x 378.5 | | 44 x 431 x 375 | |
| Mounting | Rackmount | | Rackmount | |
| Operating Temperature | -40~75°C (fanless) | | -40~75°C (fanless) | |
| MTBF (hrs) | >202,000 | | >202,000 | |
| Certification | | | | |
| Regulatory/Approval | CE/FCC/UL/EN50121-4 | | CE/FCC/UL/CB/EN50121-4 | |
| ● Supported | | | | |

| M12 Giga Managed Industrial PoE Switch | | | | Managed Industrial PoE Switch | | | | |
|---|---|---|---|-------------------------------|--------------------|--------------------|---|-------------------------|
| Interface | 14 | | 10 | | 10 | | 6 | |
| Total Ports Number | 14 | 14 | 10 | 10 | 10 | 10 | 10 | 6 |
| 100/1000TX Ports | 4 x M12-A | 4 x M12-A | 1 x M12-A(PoE+) 2 M12-A(w/Bypass) | | 8 | | | |
| 10/100TX Ports | 10 X M12-D | | 7 x M12-D | | | 8 | 8 | 6 (4706) 4 (4706f) |
| 100/1000M Combo | | | | | | 2 | 2 | |
| SFP Ports | | | | | 2 x 100/1000M | | | 2 x 100M SCS/ST (4706f) |
| DI/DO (Dry Relay) | | | | | 1 x DI, 1 x DO | 1 x DI, 1 x DO | 1 DI, 1 DO | 1 DO |
| Console | M12-A RS-232, USB | M12-A RS-232, USB | M12-ARS-232, USB | | RJ-45 RS-232 | RJ-45 RS-232 | RJ-45 RS-232 | RJ-45 RS-232 |
| Power Input | 2 x DC 110V (77-154V) | 2 x DC 110V (77-154V) | 2 x DC 110V (77-154V) | 2 x DC 24V (16.8-30V) | 2x DC 54V (46-57V) | 2x DC 24V (12-24V) | 2 x DC 48V (48-57V) | 2 x DC 48V (48-57V) |
| Features | | | | | | | | |
| Network Redundancy (MSR, RDH, TrunkRing, MultiRing, SuperChain, ITU-T G.8032 ERPS, RSTP/MSTP, LACP) | ● | ● | MSR, RSTP/MSTP, LACP | | ● | ● | MSR, RDH, MultiRing RSTP/MSTP, LACP | MSR, RSTP/MSTP, LACP |
| Network Security (Port, IEEE802.1x Port w/Radius Server, IEEE802.1x MAB, SSL/HTTPS, SSH/Telnet) | Port, IEEE 802.1x Port w/Radius Server, SSL/HTTPS, SSH/Telnet | Port, IEEE 802.1x Port w/Radius Server, SSL/HTTPS, SSH/Telnet | Port, IEEE 802.1x Port w/Radius Server, SSL/HTTPS, SSH/Telnet | | ● | ● | Port, IEEE 802.1x Port w/Radius Server, SSL/HTTPS, SSH/Telnet, IEEE 802.1xMAB | Port Security |
| Advanced Security (L2/3/4 ACL) DHCP Snooping, IP Source Guard, DAI, DoS, IPv6 RA Guard, IPv6 ACL) | ● | ● | | | ● | | | |
| korneix Veiv/korenix NMS | ● | ● | ● | ● | ● | ● | ● | ● |
| Industrial Protocol (Modbus/TCP, EtherNet/IP) | ● | ● | ● | ● | ● | ● | ● | ● |
| Power over Ethernet | | | | | | | | |
| PoE Ports | 8 (FE) | 8 (FE) | 8 (7x FE, 1 GbE) | | 8 | 8 | 8 | 4 |
| Power Feeding Mode | M12-D (1,2,3,4) | M12-D (1,2,3,4) | M12-D (1,2,3,4) M12-A (1,2,3,6) | | 1,2,3,6 (A) | 1,2,3,6 (A) | RJ-45 (1,2,3,6) (A) | RJ-45 (4,5,7,8) (B) |
| PoE Mode | IEEE 802.3af/at | IEEE 802.3af/at | IEEE 802.3af/at | | IEEE 802.3af/at | IEEE 802.3af/at | IEEE 802.3af/at | IEEE 802.3af |
| PoE Scheduling | ● | ● | ● | ● | ● | ● | ● | ● |
| System PoE Budget | 100W/70°C | 100W/70°C | 100W/70°C | | 240W/75°C | 240W/75°C | 240W/60°C | 80W/60°C |
| L3 Protocols | | | | | | | | |
| L3 Routing | ● | ● | | | ● | | | |
| Multicast Routing | ● | ● | | | ● | | | |
| VRRP Gateway Redundancy | ● | ● | | | ● | | | |
| SW/Protocol | | | | | | | | |
| Management (SNMP V1/2c/3, CLI, Web, Trap, RMON) | ● | ● | ● | ● | ● | ● | ● | ● |
| Traffic Priority (QoS) | ● | ● | ● | ● | ● | ● | ● | ● |
| VLAN,P-VLAN, QinQ, GVRP | ● | ● | VLAN,GVRP | | ● | ● | ● | Port Based VLAN |
| IGMP Query, Snooping, GMRP | ● | ● | IGMP Query, Snooping | | ● | ● | ● | IGMP Query, Snooping |
| IEEE 802.1AB LLD | ● | ● | ● | ● | ● | ● | ● | ● |
| IEEE 1588 PTP v1/v2 | IEEE 1588 PTP V1 | IEEE 1588 PTP V1 | IEEE 1588 PTP V1 | | | | ● | |
| Jumbo Frame | 9.2kbytes | 9Kbytes | | | 9Kbytes | | | |
| DHCP (Server, Client, Opt 82, Port Based Server) | ● | ● | ● | ● | ● | ● | ● | |
| HW/ME | | | | | | | | |
| Housing Protection (IP) | IP30 | IP30 | IP30 | | IP31 | IP31 | IP31 | IP31 |
| Dimension (HxWxD mm) | 145.2 x 198 x 120 | 145.2 x 198 x 120 | 145.2 x 198 x 120 | | 198 x 120 x 121.7 | 160 x 96.2 x 132 | 160 x 95 x 127 | 46.5 x 147.8 x 136 |
| Mounting | Wall Mount | Wall Mount | Wall Mount | | DIN Rail | DIN Rail | DIN Rail | DIN Rail/Wall Mount |
| Operating Temperature | -40~70°C | -40~70°C | -40~70°C | | -40~75°C | -40~75°C | -40~75°C | -40~60°C |
| MTBF (hrs) | >375,000 | >375,000 | >365,000 | | >200,000 | >200,000 | >200,000 | >272,000 |
| Certification | | | | | | | | |
| Regulatory/Approval | CE/FCC/EN50155/IEC 61373/EN50121-3-2 | CE/FCC/EN50155/IEC 61373/EN50121-3-2 | CE/FCC/EN50155/IEC 61373/EN50121-3-2 | | CE/FCC/EN50121-4 | CE/FCC | CE/FCC/UL/EN50121-4 | CE/FCC/UL |
| Compliance Standard | | | | | | Heavy Industrial | Heavy Industrial | |
| ● Supported | | | | | | | | |

| Unmanaged Industrial PoE Switch | | | | | | |
|---------------------------------|--|---------------------------------|--------------------------------------|--------------------|-------------------------------------|--|
| Interface | 8 | | 6 | | 5 | |
| Total Ports Number | 8 | 6 | 10/6 | 10 | 5 | |
| 100/1000TX Ports | 1 x M12-X | 5 x RJ-45 | 2 x RJ-45 (3810G/3806G) | 2 | | |
| 10/100 TX Ports | 7 x M12-D | | 8 x (3810G)/4(3806G) | 8 | 5(3705)/4 (3705f) | |
| SFP Ports | | 1 x 100/1000M | 2 x 1000M(3810Gf) 2 x 100M(3810f) | | 1 x 100M(SC) (3705f) | |
| DI/DO (Dry Relay) | | 1 x DO | 1 x DO | | 1 x DO | |
| DC Power input | 1 x DC 12-24V | 2 x 12-36V | 1 x 12-24V 1 x 8-32V(3810G V2) | 1 x 48V | 2 x 48V | |
| Hi-Pot | AC 1KV | AC 1.5KV | AC 1.5KV | | AC 1.2KV | |
| Power Over Ethernet | | | | | | |
| PoE Ports | 8 | 4 | 8 / 4(3806G) | 8 | 4 | |
| Power Feeding Mode | M12 X-Code (Port 1): V-(1,2), V-(3,4) M12 D-Code (Port 2-8): V+(1,3), V-(2,4) | 1,2,3,6 (A) | 4,5,7,8 (B) | | 4,5,7,8 (B) | |
| PoE Mode | IEEE 802.3af/at | IEEE 802.3af/at | IEEE 802.3af | | IEEE 802.3af | |
| System PoE Budget | 120W @24V 60 W @ 12V | 121W@24V, 65°C 90W@24V, 75°C | 65W@24V, 60°C | 65W@48V, 70°C | 60W@48V, 70°C | |
| Features | | | | | | |
| PoE Power Booster | 9-36 V | 12-36V | 12-24V | 46-57V | | |
| QoS | ● | ● | ● | ● | | |
| Failure Alarm | | Port, Power | Port | Port, Power | | |
| Jumbo Frame | 10Kbytes | 9Kbytes | | | | |
| HW/ME | | | | | | |
| Housing Protection (IP) | IP41 Steel Metal | IP31 Steel Metal | IP31 Aluminum | IP31 Aluminum | | |
| Dimension (HxWxD mm) | 116 x 58 x 146 | 140 x 55 x 105 | 149 x 66 x 131.2 | 108 x 164.8 x 33.8 | | |
| Mounting | Wall Mount | DIN Rail | DIN Rail | DIN Rail | | |
| Operating Temperature | -40~75°C | -40~75°C | -25~60°C | -25~70°C | -25~70°C (3705) -10~70°C (3705f) | |
| Certification | | | | | | |
| RoHS | ● | ● | ● | ● | | |
| Regulatory/Approval | CE/FCC/EN50155/EN50121-4/E-Mark 13 | CE/FCC/UL | CE/FCC/UL | CE/FCC/UL | | |
| Compliance Standard | Heavy Industrial | NEMA TS2 Compliant | | | | |
| ● Supported | | | | | | |

Industrial Power over Ethernet Switch

Korenix Industrial PoE Solutions to SMART City Surveillance



Korenix Technology, a Beijer Electronics Group Company, is devoted to designing and manufacturing high quality Industrial Ethernet and Wireless Products to ensure high quality and reliability of industrial networks.

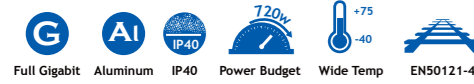
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 Service: korecare@korenix.com



JetNet 6728G Industrial Full Gigabit Managed PoE Switch



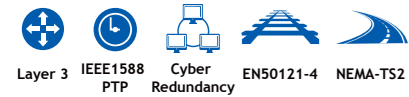
- Up to 720W@75°C (PoE Capability)
- Robust IP40, EN50121-4
- Korenix cyber security+, korenix cyber redundancy+



JetNet 7310G V2 Industrial 10 ports Gigabit Managed PoE Switch



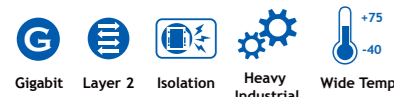
- 8 Gigabit Ethernet RJ-45 ports ,2 Gigabit Ethernet SFP ports
- 8 IEEE802.3at PSE with 240W PoE Power forwarding capability
- Layer 3 Network Routing Protocols –Static/Dynamic Route, VLAN Routing, Multicast Routing
- Advanced Cyber Network Security –MAC security, IEEE 802.1x Port Based access control , IEEE 802.1x Radius Server authentication, 802.1x MAB, Distributed Denial of Service, IP Source Guard, Denial of ARP Inspection
- L2/L3/L4 Access Control List (ACL)



JetNet 5810G Industrial 8FE + 2G Combo DC Booster Switch



- 8 10/100 Base TX ports and 2 Gigabit RJ-45/ SFP combo ports
- Total PoE Budget 240W @ 75°C ambient temperature
- Advanced Security system by Port Security, Access IP list, SSH, HTTPS Login, IEEE 802.1x / Radius Server authentication
- Advanced management by LACP/VLAN/GVRP/QoS/IGMP/ Private VLAN/QinQ/Snooping/Rate Control/Online Multi-Port Mirroring/DHCP



JetNet 5310G Industrial Gigabit Managed PoE Switch



- IEEE 802.3af 15.4W / IEEE 802.3at 30W High Power PoE
- 240W total power budget for High-power PoE camera
- SFP ports support 100/1000 Mbps with Digital Diagnostic Monitoring (DDM) to monitor long distance fiber quality



JetNet 3810G Industrial Booster PoE Switch



- Vehicle PoE: DC 8-32V (3810G V2), deliver 8 port PoE @48V
- IEEE802.3af compliant PoE: Total power budget is 65W with max. 15.4W per port
- Support QoS for optimizing video and VoIP stream



JetNet 3808G-M12 Industrial 7FE + 1 GbE Un-Managed Booster PoE Switch



- 1 Gigabit/PSE M12 X-code, 7 100M/PSE M12 D-code, M12-A Power
- Power System design with 120W PoE budget and compliance with safety requirement
- Embedded DC 54V Booster
- Power Ignition Management
- -40 to 75°C Operating Temperature

