


Industrial L2/ L3 Gigabit Ethernet Switches



| | L2 | | | | | | | | L3 | |
|-------------------------------------|--|--|---|--|---|---|---|--|---|---|
| |  |  |  |  |  |  |  |  |  |  |
| Part number | DN-651145 | DN-651139 | DN-651119 | DN-651121 | DN-651136 | DN-651137 | DN-651129 | DN-651138 | DN-651160 | DN-651161 |
| Product Name | Industrial L2 Gigabit Ethernet Switch 8-Port GE RJ45 + 4-Port GE Combo SFP/RJ45 Uplink | Industrial L2 Gigabit Ethernet Switch 8-Port GE RJ45 PoE + 4-Port GE Combo SFP/RJ45 Uplink | Industrial Gigabit Ethernet Switch 8-Port GE RJ45, Unmanaged | Industrial Gigabit Ethernet Switch 8-Port GE RJ45 PoE, Unmanaged | Industrial Gigabit Ethernet Switch 8-Port GE RJ45 + 1-Port GE SFP Uplink, Unmanaged | Industrial Gigabit Ethernet Switch 8-Port GE RJ45 PoE + 1-Port GE SFP Uplink, Unmanaged | Industrial Gigabit Ethernet Switch 16-Port GE RJ45, Unmanaged | Industrial Gigabit Ethernet Switch 16-Port GE RJ45 PoE + 2-Port GE SFP Uplink, Unmanaged | Industrial L3 Gigabit Ethernet Switch 8-Port GE RJ45 + 4-Port GE SFP+ Uplink | Industrial L3 Gigabit Ethernet Switch 8-Port GE RJ45 PoE + 4-Port GE SFP+ Uplink |
| Number of ports | 8 Ports | 8 Ports | 8 Ports | 8 Ports | 8 Ports | 8 Ports | 16 Ports | 16 Ports | 8 Ports | 8 Ports |
| Ethernet speed | 10/100/1000 Mbit | 10/100/1000 Mbit | 10/100/1000 Mbit | 10/100/1000 Mbit | 10/100/1000 Mbit | 10/100/1000 Mbit | 10/100/1000 Mbit | 10/100/1000 Mbit | 10/100/1000 Mbit | 10/100/1000 Mbit |
| Number of ports (Uplink) | 4 Ports | 4 Ports | ⊗ | ⊗ | 1 Port | 1 Port | ⊗ | 2 Ports | 4 Ports | 4 Ports |
| Uplink port connection | SFP+ | SFP+ | ⊗ | ⊗ | SFP | SFP | ⊗ | SFP | SFP+ | SFP+ |
| Uplink port speed | 10G | 10G | ⊗ | ⊗ | 1000 Mbit | 1000 Mbit | ⊗ | 1000 Mbit | 10G | 10G |
| PoE (Power over Ethernet) | ⊗ | ✓ | ⊗ | ✓ | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | ✓ |
| Number of PoE ports | ⊗ | 8 | ⊗ | 8 | ⊗ | 8 | ⊗ | ⊗ | ⊗ | 8 |
| Standard 802.3af (PoE Type 1) 15,4W | ⊗ | ✓ | ⊗ | ✓ | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | ✓ |
| Standard 802.3at (PoE Type 2) 30W | ⊗ | ✓ | ⊗ | ✓ | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | ✓ |
| Standard 802.3bt (PoE Type 3) 60W | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Standard 802.3bt (PoE Type 4) 90W | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Total PoE Power budget (W) | ⊗ | 185 W | ⊗ | 200 W | ⊗ | 200 W | ⊗ | ⊗ | ⊗ | 200 W |
| Maximum Power / Port (W) | ⊗ | 30 W | ⊗ | 30 W | ⊗ | 30 W | ⊗ | ⊗ | ⊗ | 30 W |
| Managed | ✓ | ✓ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ✓ | ✓ |
| Industrial usage | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Installation type | DIN-Rail | DIN-Rail | DIN-Rail | DIN-Rail | DIN-Rail | DIN-Rail | DIN Rail | DIN-Rail | DIN-Rail | DIN-Rail |

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|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Automatic cable detection - Auto MDI / MDI-X function | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Supported: IEEE802.3x Flow Control and Back Pressure | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Supported: Store and forward technology for optimized data transfer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic speed and half/full duplex recognition/adjustment | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Backplane | 1 Tbps | 1 Tbps | 16 Gbps | 16 Gbps | 20 Gbps | 20 Gbps | 52 Gbps | 56 Gbps | 1.2 Tbps | 1.2 Tbps |
| Size of MAC addresses Table | 32K | 32K | 4K | 4K | 4K | 4K | 8K | 8K | 32K | 32K |
| Housing | Compact, robust metal housing | Compact, robust metal housing | Compact, robust metal housing | Compact, robust metal housing | Compact, robust metal housing | Compact, robust metal housing | Compact, robust metal housing | Compact, robust metal housing | Compact, robust metal housing | Compact, robust metal housing |
| Short-circuit protection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Lightning and overvoltage protection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Suitable for DIN rail (top-hat rail) mounting | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Redundant power supply with reverse polarity protection function | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Power supply | 12~48 V DC | 48~57 V DC | 12~48 V DC | 48~57 V DC | 12~48 V DC | 48~57 V DC | 12~52 V DC | 12~52 V DC | 12~48 V DC | 48~57 V DC |
| VLAN Isolation mode | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Removable terminal connection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Protection class | IP40 | IP40 | IP40 | IP40 | IP40 | IP40 | IP40 | IP40 | IP40 | IP40 |
| Extended operating temperature range | -40 °C ~ +80 °C | -40 °C ~ +80 °C | -40 °C ~ +80 °C | -40 °C ~ +80 °C | -40 °C ~ +80 °C | -40 °C ~ +80 °C | -40 °C ~ +80 °C | -40 °C ~ +80 °C | -40 °C ~ +80 °C | -40 °C ~ +80 °C |
| Suitable for non-condensing humidity | 5% to 95% | 5% to 95% | 5% to 95% | 5% to 95% | 5% to 95% | 5% to 95% | 5% to 95% | 5% to 95% | 5% to 95% | 5% to 95% |