

Unmanaged Industrial Ethernet Switches >

Robust and reliable, IP20- and IP67-rated Unmanaged Industrial Ethernet Switches enable simple "plug-and-play" automation of industrial networks using PROFINET or EtherNet/IP protocols.



ADVANTAGES AND FEATURES

Helps prevent network congestion using traffic flow control and data speeds up to 1,000 Mbps to ensure reliable high-speed operation

Delivers reliable operation in harsh environments including on-machine installation

due to available IP67-rated protection for resistance to extreme temperatures, moisture, low-pressure washes or water submersion

Streamlines system infrastructure upgrades for industrial automation networks

through quick and secure data exchange using EtherNet/IP or PROFINET protocols

NEMA Ratings	IP20, IP67
Mounting Configurations	In cabinet, on machine
Ports	5, 8
Data Speeds	10/100/1,000 Mbps
Network Compliance	EtherNet/IP, PROFINET
Operating Temperature	-40 to +70°C

Provides wide-ranging network management flexibility for a broad range of applications with 10/100/1,000 Mbps Ethernet full wire-speed, non-blocking, auto-sensing, auto-crossing and auto-negotiation capabilities

Accelerates and simplifies installation by using "plug and play" setup features that minimize downtime and eliminate the need for specialized software and configurations

MARKETS AND APPLICATIONS

Industrial Automation

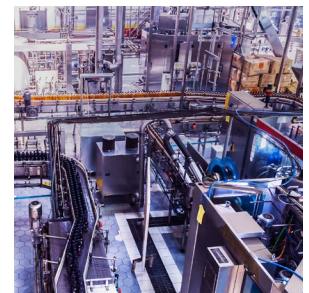
- Automotive production lines
- Semiconductors
- Material handling systems
- Water and wastewater treatment plants
- Pulp and paper manufacturing equipment
- Food and beverage lines
- Mining and metals sites
- Agricultural systems
- Machine builders
- Robot cell control systems
- Packaging line control systems
- Substation control devices



Automotive Production Lines



Robot Cell Control Systems



Food and Beverage Lines

Unmanaged Industrial Ethernet Switches

SPECIFICATIONS

IP20-Rated Switches

Reference Information

Packaging: Box
 Designed in: Millimeters
 RoHS: Yes
 Halogen Free: Yes
 Approval and Test:
 Shock – IEC 60068-2-27
 Freefall – IEC 60068-2-32
 Vibration – IEC 60068-2-6
 UL, cUL and CSA ID – ES00772

Electrical

Input Voltage: 12 to 48V DC (+/-10%)
 Connection: Terminal block
 Power Input Polarity Protection: Yes
 Power Consumption (max.): 5W
 Surge Protection: Yes (3/6kV)
 Electrostatic Discharge (ESD) Protection:
 Yes (8/15kV)
 Overload Current: Yes

Mechanical

Housing: Metal case (IP30 protection)
 Mounting: DIN rail, wall mount

Physical

Weight: 145 (5-port) or 480g (8-port)
 Dimensions: 23.40 by 109.20 by 73.80mm (5-port)
 or 46.00 by 116.00 by 99.60mm (8-port)
 Switch Fabric: 1.0 Gbps (DRL-250MB), 1.6 Gbps
 (DRL-280MB), 10 Gbps (DRL-250MG), 16 Gbps
 (DRL-280MG)
 Mac Table Size: 2K (5-port) or 8K (8-port)
 Jumbo Frame Size: 1.538K (DRL-250MB) or 9K
 (other switches)
 Operating Humidity: 10 to 95% RH
 (non-condensing)
 Storage Humidity: 5 to 95% RH (non-condensing)
 Operating Temperatures: -40 to +70°C

IP67-Rated Switches

Reference Information

Packaging: Carton
 Designed in: Millimeters
 RoHS: Yes
 IP Rating: IP67
 Approval and Test:
 Shock – 50G (IEC 68-2-29)
 Freefall – IEC 60068-2-32
 Vibration – 7G (IEC 68-2-29)
 UL, cUL and CSA ID – ES00772

Electrical

Input Voltage: 24V DC
 Connection: 5 x M12 D-Coded
 Power Input Polarity Protection: Yes
 Power Consumption (max.): 2W
 Surge Protection: Yes (3/6kV)
 Electrostatic Discharge (ESD) Protection:
 Yes (8/15kV)
 Overload Current: Yes

Mechanical

Housing: Metal case (IP20 protection)
 Mounting: DIN rail, wall mount

Physical

Weight: 220g
 Dimensions: 30.00 by 34.00 by 176.00mm
 Switch Fabric: 16 Gbps
 Mac Table Size: 8K
 Jumbo Frame Size: 9K
 Operating Humidity: 10 to 95% RH
 (non-condensing)
 Storage Humidity: 5 to 95% RH (non-condensing)
 Operating Temperatures: -40 to +75°C

Additional details and specifications
 are available on [molex.com](https://www.molex.com)

ORDERING INFORMATION

Order No.	Old Engineering No.	Component	Data Speeds (Mbps)	Ports	NEMA Rating
112036-1000	DRL-250MB	Unmanaged Industrial Ethernet Switch	10/100	5	IP20
112036-1001	DRL-280MB		10/100	8	IP20
112036-1002	DRL-250MG	Unmanaged Industrial Ethernet Switch, PROFINET and EtherNet/IP compliant	10/100/1,000	5	IP20
112036-1003	DRL-280MG		10/100/1,000	8	IP20
112111-5001	DRL-750	Unmanaged Industrial Ethernet Switch, D-coded	10/100	5	IP67

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