

# Managed Gigabit Ethernet 2 SFP L2 Switches



								
Part number	DN-651154	DN-651155	DN-651156	DN-651157	DN-651158	DN-651159	DN-651160	DN-651161
Product Name	DIGITUS Industrial 4+2 -Port L2 managed Gigabit Ethernet Switch	DIGITUS Industrial 4+2-Port L2 managed Gigabit Ethernet PoE Switch	DIGITUS Industrial 8+2 -Port L2 managed Gigabit Ethernet Switch	DIGITUS Industrial 8+2-Port L2 managed Gigabit Ethernet PoE Switch	DIGITUS Industrial 16+2 -Port L2 managed Gigabit Ethernet Switch	DIGITUS Industrial 16+2-Port L2 managed Gigabit Ethernet PoE Switch	DIGITUS Industrial 8 + 4 10G Uplink Port L3 managed Gigabit Ethernet Switch	DIGITUS Industrial 8 + 4 10G Uplink Port L3 managed Gigabit Ethernet PoE Switch
Number of ports	4 ports	4 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
Number of ports (Uplink)	2 ports	2 ports	2 ports	2 ports	2 ports	2 ports	4 ports	4 ports
Uplink port connection	SFP	SFP	SFP	SFP	SFP	SFP	SFP	SFP
PoE (Power over Ethernet)	✗	✓	✗	✓	✗	✓	✗	✓
Number of PoE ports	0	4	0	8	0	16	0	8
Supports: 802.3af PoE Standard	✗	✓	✗	✓	✗	✓	✗	✓
Supports: 802.3at PoE Standard	✗	✓	✗	✓	✗	✓	✗	✓
Supports: 802.3bt PoE Standard	✗	✗	✗	✗	✗	✗	✗	✗
Total PoE Power budget (W)	✗	120 W	✗	240 W	✗	480 W	✗	240 W
Maximum Power	✗	30 W	✗	30 W	✗	30 W	✗	30 W
Managed	✓	✓	✓	✓	✓	✓	✓	✓
Recovery time	50 ms	50 ms	50 ms	50 ms	50 ms	50 ms	20 ms	20 ms
Dot1x	✓	✓	✓	✓	✓	✓	✗	✗
LLDP/ IGMP/ ACL/ VLAN/ QING/ QOS	✓	✓	✓	✓	✓	✓	✓	✓
Multicast/ Security management	✗	✗	✗	✗	✗	✗	✓	✓
Redundancy backup	✗	✗	✗	✗	✗	✗	✓	✓
Monitoring and maintenance	✗	✗	✗	✗	✗	✗	✓	✓
Supports static routes	✗	✗	✗	✗	✗	✗	✓	✓
Administrative function	✗	✗	✓	✓	✓	✓	✓	✓
Industrial usage	✓	✓	✓	✓	✓	✓	✓	✗
Installation type	DIN Rail	DIN Rail	DIN Rail	DIN Rail	DIN Rail	DIN Rail	DIN Rail	DIN Rail
Automatic cable detection - Auto MDI / MDI-X function	✓	✓	✓	✓	✓	✓	✓	✓

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Supported standards: IEEE 802.3 10BaseT, IEEE 802.3u 100BaseTX	✓	✓	✓	✓	✓	✓	✓	✓
Supported: IEEE802.3x Flow Control und Back Pressure	✓	✓	✓	✓	✓	✓	✓	✓
Supported: Store and forward technology for optimized data transfer	✓	✓	✓	✓	✓	✓	✓	✓
Automatic speed and half/full duplex recognition/adjustment	✓	✓	✓	✓	✓	✓	✓	✓
Backplane	20 Gbps	20 Gbps	20 Gbps	20 Gbps	56 Gbps	56 Gbps	1,2 Tbps	1,2 Tbps
Size of MAC addresses Table	4 K	4 K	4 K	4 K	8 K	8 K	32 K	32 K
Packet Buffer Memory	4.1 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit		
Forwarding rate	15 Mbps	15 Mbps	15 Mbps	15 Mbps	42 Mbps	42 Mbps	32 Mbps	32 Mbps
Max. Frame Size	10240 bytes	10240 bytes	10240 bytes	10240 bytes	10240 bytes	10240 bytes	10240 bytes	10240 bytes
ESD protection	6 kV (DC)	6 kV (DC)	6 kV (DC)	6 kV (DC)	6 kV (DC)	6 kV (DC)	8 kV (DC)	8 kV (DC)
Surge protection	6 kV (DC)	6 kV (DC)	6 kV (DC)	6 kV (DC)	6 kV (DC)	6 kV (DC)	8 kV (DC)	8 kV (DC)
Short-circuit protection	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40
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
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	12~48 V DC	12~48 V DC
Power Consumption	< 5 W	< 5 W	< 10 W	< 10 W	< 15 W	< 15 W	< 18 W	< 18 W
Removable terminal connection	✗	✗	✗	✗	✗	✗	✗	✗
Protection class	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40
Outdoorsuitable	✗	✗	✗	✗	✗	✗	✗	✗
Protection against vanadism	✗	✗	✗	✗	✗	✗	✗	✗
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
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%
MTBF	300.000 h	300.000 h	300.000 h	300.000 h	300.000 h	300.000 h	300.000 h	300.000 h
Dimensions (L*W*H) mm	143,7 x 104 x 47,7 mm	143,7 x 104 x 47,7 mm	143,7 x 125 x 47,7 mm	143,7 x 125 x 47,7 mm	175,6 x 135 x 45,5 mm	175,6 x 135 x 45,5 mm	175,6 x 135 x 45,5 mm	175,6 x 135 x 45,5 mm
Net Weight (Kgs)	0.7 kg	0.7 kg	0,6 kg	0,7 kg	1,1 kg	1,2 kg	0,8 kg	0,8 kg