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Document	Version
Product data	1.3
Art.-No.	Product designation
58904	Xenterra 16TX

16-Port Unmanaged Switch 100 MBit

- 24 V
- 16 Ports
- Fast Ethernet
- Flat form
- Mounting rail mounting



Planning information, background information and accessories can be found at:
<http://shop.murrelektronik.com>

1 Electrical data

Input		
Nominal voltage DC		24 V ---
Nominal voltage AC		24 V \sim
Permitted voltage range DC		9 ... 36 V ---
Permitted voltage range AC		12 ... 28 V \sim
Power consumption		1,87 ... 2,37 W
Input current		78 ... 99 mA
Power supply connection type		3-pole
Reverse polarity protection		Yes

Ethernet functionality		
Ports	RJ45 jack shielded	16
Functionality	In accordance with IEE802.3.802.3u.802.3x	Ethernet switch
Transfer rate	Automatic	10/100 Mbit/s
Duplex	Automatic	Full- or half-duplex
Operating principle		Store and forward
MDI		Yes
Auto-negotiation		Yes
Auto-crossover		Yes
Broadcast storm protection		Yes
Topology		Line, star, net
Jumbo frames		No

Ethernet interfaces		
Connection	Jack	RJ45
Connection cable	10/100 MBit/s	\geq CAT5
Impedance of connection line		100 Ω
Cable length	Min. CAT5	\leq 100 m
Galvanic isolation and shielding/dielectric strength	Test voltage in accordance with IEEE 802.3 1500 V \sim / 50 Hz	Yes

Switch management		
Switch type		Unmanaged Switch
Web server	HTTP, HTTPS	No
VLAN (QoS)	In accordance with IEEE 802.p	Yes
Port Mirroring		No
Protocols		No
Remote maintenance		No
Alarm contact		No

2 Environmental characteristics

Climatic		
Operating temperature		-40 °C ... +70 °C
Storage temperature		-40 °C ... +85 °C
Relative air humidity (operation and storage)	Not condensing	0 ... 95 %
Operating altitude	Above mean sea level	\leq 2 000 m

Mechanical		
Vibration test	DIN EN 61373	0.1 g; 5 ... 150 Hz
Shock test	DIN EN 61373	5 g; 30 ms 3 shocks per axis (9 shocks)



A prerequisite for the strength of the RJ45 interfaces is the interception of the cables.

Electrical safety		
Degree of protection		IP20
MTBF	SN 29500 @ 70 °C	228 144 h

EMC		
Interference	DIN EN 61000-6-4, DIN EN 55032	
Immunity	DIN EN 61000-6-2, DIN EN 55024	


3 Mechanical data

Materials		
Housing material		Anodized aluminum, stainless steel

Mounting data		
Weight		405 g
Fastening		35 mm DIN mounting rail
Installation position		Perpendicular to mounting rail
Connection clamp		Push-in spring clamp
Diameter of connection cables	Rigid/flexible	AWG 20 ... 13
Dimensions	L x W x H	110 x 32.5 x 105 mm

4 Conformity, Approvals

Conformity, approvals		
CE	2014/30/EU	Conform
UKCA		Conform
EMC	2014/30/EU	Conform
RoHS	2011/65/EU	Conform
REACH		Conform
UL		Conform

Hazardous substance (有害物質)							
	Part Name 零件名稱	Lead (Pb) 鉛	Mercury (Hg) 汞	Cadmium (Cd) 鎘	Hexavalent Chromium (Cr (VI)) 六价铬	Polybrominated biphenyls (PBB) 多溴联苯	Polybrominated diphenyl ethers (PBDE) 多溴联苯醚
	Component part PCB 组件部分 印刷电路板	X	O	O	O	O	O
<p>O: Indicates that the content of the harmful substance in all homogeneous materials of the component part is below the limit defined in GB/T 26572. O: 表明該有害物質在組成部分的所有均質材料的含量低於按GB/ T26572定義的限制。</p> <p>X: Indicates that the content of the harmful substance in at least one homogeneous material of the component part exceeds the limit defined in GB/T 26572. X: 表示該有害物質在組成部分中的至少一個均質材料的含量超過按GB / T26572定義的限制。</p>							