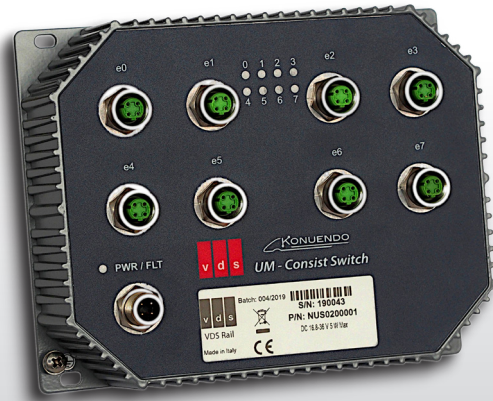


Unmanaged Consist Switch 8 ports

KONUENDO NETWORKING



VDS Rail
The onboard networking company



The Unmanaged Consist Switch is a Fast Ethernet Layer 2 unmanaged switch specifically designed for network applications in rolling-stock environments. Providing wire speed layer 2 forwarding, its purpose is to enable the implementation of network topologies in a train.

Designed to operate in harsh environmental conditions typical of rolling-stock applications, the Unmanaged Consist Switch is fully EN 50155 compliant and provides the highest level of reliability and robustness required by the railway industry.

HIGHLIGHTS

- 8 FAST ESTHERNET PORTS
- M12 CIRCULAR CONNECTORS 4-WAYS

Technical specifications

APPROVALS / COMPLIANCE

EN 50155	Railway Applications (Electronic equipment used on rolling stock)
EN 50121-3-2	Electromagnetic compatibility rolling stock apparatus
IEC 60068-2-1	Environmental testing: Tests - Test Ad: Cold
IEC 60068-2-2	Environmental testing: Tests - Test Bd: Dry heat
EN 60068-2-30	Environmental testing - Test Db variant 2 - Damp heat
EN 61373:2010/AC	Shock & Vibration - Category 1 class B
EN 50124-1	Insulation coordination
EN 45545-2	Fire & Safety standard

INTERNETWORKING STANDARDS

IEEE 802.3	Standard for Local Area Networks
IEEE 802.3u	Fast Ethernet
IEEE 802.3x	Flow Control

PHYSICAL DATA

System status indicators:	8 LEDs
Fast Ethernet connectors:	M12, female, 4-ways, D-coding
Power supply connector:	M12, male, 4-ways, A-coding
Power supply voltage range (insulated):	24 Vdc to 110 Vdc, according to EN 50155
Power supply class	Class S2 according EN 50155
Power consumption	5 W max
Overall dimensions:	133 x 175 x 47 mm
Weight	1.0 kg
Operating temperature:	
Standard	-25 °C / +70 °C (class OT3 with extended operating temperature ST1 according to EN 50155)
Optional	40 ÷ +70 °C (class OT4 with extended operating temperature ST1 according to EN 50155)
Relative humidity (non-condensing)	0 ÷ 95 %
Storage temperature:	Up to -40 ÷ +85 °C
Color codes	Pantone 430 / RAL 7045 (frame) Pantone 431 / RAL 7046 (front panel)
Degree of protection:	IP65