

FIBRE OPTIC NETWORK SWITCHES WRAP260

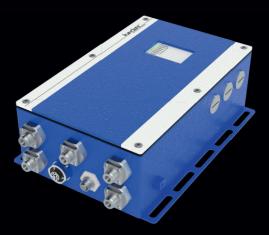
- Cloud Router Switch
- Up to 10 x 1 Gbit/s fibre ethernet ports
- 3 x 100 Mbit/s + 5 x 1 Gbit/s for Gateway use
- Part of the intrinsically safe communication system
- With battery buffering



WRAP260 SWITCHES

The Cloud Router Switch WRAP260 is an intelligent switch with high performance MIPS CPU and feature-rich packet processor. It can be used for various Ethernet applications:

- as unmanaged switch
- layer 2 managed switch
- carrier switch
- for wired unified packet processing.



The switch is available in different configurations with:

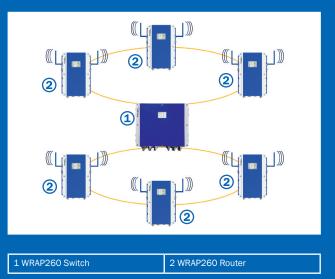
- 5 x 1 Gbit/s fibre optic ports
- 10 x 1 Gbit/s fibre optic ports
- 5 x 1 Gbit/s fibre optic ports + 3 x 100 Mbit/s ports

The devices have IP65 or IP67 ingres protection rating for rugged mining applications.

SWITCH MANAGEMENT

A local LED display shows status information about the different ports. The WRAP260 Switch can also be managed remotely via PC-Software.

APPLICATION EXAMPLE



FIBRE OPTIC DEVICE CABLES

BOS device cables are preassembled fibre optic cables that are designed for use with network devices.



The cables are fitted with a connector with anti-kink protection and 2 fibres.

The device cables can also be set up as combination cables (device plug with anti-kink protection at one end and a Y-connector at the other end).

The terminal devices are fitted with appropriate device sockets on the outside. In this way you can set up a network connection without having to open any device.

The cable gland is connected to the cable shell and can be used as a cable pull up to a maximum force of 600 N.

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SWITCH FEATURES	DESCRIPTION
Forwarding	 Configurable ports for switching or routing Full non-blocking wirespeed switching Up to 16k MAC entries All Forwarding Databases support IVL and SVL Jumbo frame support (4064 Bytes) IGMP Snooping support
Redundancy	Spanning tree (STP), rapid spanning tree (RSTP) protocol for redundant fibre networks
Mirroring	Various types of mirroring: • Port based mirroring • VLAN based mirroring • MAC based mirroring
VLAN	 Fully compatible with IEEE802.1Q and IEEE802.1ad VLAN 4k active VLANs Flexible VLAN assignment (Port, Protocol, MAC based): From any to any VLAN translation and swapping 1:1 VLAN switching - VLAN to port mapping VLAN filtering
Port Isolation and Leakage	 Applicable for Private VLAN implementation 3 port profile types: Promiscuous, Isolated and Community Up to 28 Community profiles Leakage profiles allow bypassing egress VLAN filtering
Trunking	 Supports static link aggregation groups Up to 8 Port Trunk groups Up to 8 member ports per Port Trunk group Hardware automatic failover and load balancing
Quality of Service (QoS)	 Flexible QoS classification and assignment: Port based, MAC based, VLAN based, Protocol based QoS remarking and remapping for QoS domain translation between service provider and client networks Overriding of each QoS assignment according to the configured priority
Shaping and Scheduling	 8 queues on each physical port Shaping per port, per queue, per queue group
Access Control List	 Ingress and Egress ACL tables Up to 128 ACL rules (limited by RouterOS) Classification based on ports, L2, L3, L4 protocol header fields ACL actions include filtering, forwarding and modifying of the protocol header fields

TECHNICAL DATA



Intrinsic safety ATEX: 20ATEX0012X IECEx: IECExKDB20.0002

TECHNICAL DATA	WRAP 260.300 SWITCH 5 X GBIT	WRAP 260.400 Switch 10 X gBit	WRAP 260.500 GATEWAY-SWITCH 5 X GBIT, 3 X 100MBIT	
Mechanical Parameters	Approx. 310 x 230 x 106 mm	Approx. 310 x 420 x 106 mm	Approx. 310 x 230 x 106 mm	
Power requirements	Max. 9.5 W	Max. 19 W	Max. 16 W	
Ingress protection	IP67	IP65	IP67	
Weight	Approx. 7,5 kg	Approx. 16 kg	Approx. 8 kg	
Ambient Temperature	-20 °C to 40 °C			
Fibre optic:				
Optical power	Output power up to -3 dBm, Input power max. OdBm, input optical sensitivity -24dBm			
Optical characteristics	1310 nm single mode, 9/125 µm fibre			
Laser Class	Class 1, complies with EN 60825-1			
Range	Up to 20km			

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DESIGNATION	REF	ILLUSTRATION
WRAP260.300 Single Ethernet Switch 5xGBit ports	1000021155	
WRAP260.400 Double Ethernet Switch 10xGBit ports	1000021156	
WRAP260.500 Gateway Switch 5xGBit, 3x100MBit ports	1000021157	
BOS-CMKK2 Cables Fibre optic device cables 1m - 1000m	on request	
Power Supply MPSD ia Power Supply 14.5V/1.5A	on request	
Battery Backup Power Supply MPSU ia Power Supply 14.5V/1.5A	on request	



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The specified technical data are limit values. If this product is operated in combination with other products, its permissible operating values may deviate from these limit values. Subject to technical changes. Revision 4.