

SWITCH



Rugged network elements

Network elements are adjusted to be used in various applications with expected high resistance. Design of network elements is modular, so each model series may be equipped with requested number of ports or extended with further capabilities, such as routing, I/O ports and other specific interfaces. Network elements are manufactured in several model series starting with simple L2 switches through L3 switches to full-performance routers. Network elements may be equipped with 100BaseTX, 1000BaseTX technologies or optical variant of data interface.

Purpose

Network elements in rugged design are specially implemented in wheeled and tracked platforms or container systems. These network elements enable setting up of vehicle LAN network featuring 100 Mbit/s, 1 Gbit/s or even 10 Gbit/s speed, if requested. Based on the selected configuration these network elements manage L2 or L3 layer switching or full routing, including advanced functions such as QoS, Radius, etc.

Main TTD

Standards	<p>IEEE 802.3 10Base-T IEEE 802.3u 1000Base-TX/FX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.1ad Link aggregation IEEE 802.1w Rapid Spanning Tree IEEE 802.1p Priority IEEE 802.1q Tag VLAN IEEE 802.1X Port Based Network Access Control</p>
Optional properties	<p>IEEE 802.1p Priority IEEE 802.1q Tag VLAN IEEE 802.1w Rapid Reconfiguration of Spanning Tree IEEE 802.1x Port Based Network Acces Control Support: SNMP, Web, Telnet and Console management IEEE 802.1ag CFM IEEE 802.3ad Link Aggregation Control Protocol (LACP) Jumbo frame on all ports up to 9600 bytes size QoS Classification based on IEEE 802.p, VID, TOS/DSCP, Ethernet Type and L4 Port DHCP Snooping Provider bridging with multiple VLAN tags (Q-in-Q) Rate Limit Control SNMP Time Server Static Multicasting IGMP Snooping v1, v2 IGMP fast leave IGMP Filtering vi Filtering Profile Multicast chanel limitation per port Multicast VLAN Register (MVR) DHCP client and provision server RFC3046 DHCP relay agent with option 82 FTP, TFTP server and client firmware upgrade Radius Authentication SNMP v1, v2c and network management Private RFC-1213, RMON MIBs Port Mirror</p>
Ports	4 to 24
Network element	L2 switch, L3 switch, Router
Operating temperature	-32°C to +44°C
Storage temperature	-33°C to + 63°C