Routing platform

RP-510-01

Based on CISCO IOS software

Route service

Build-in time server

Removable pocket with two ultra-fast SSD hard drives

Routing platform RP–510–01

The RP-510-01 is designed to function as router, switch witch both electrical and optical interfaces, commuting device and time server. It is interoperable with most of commonly used systems in Polish Military.

The RP-510-01 is based on CISCO programming platform and could be delivered with IOS system.

Technical parameters

BASIC FUNCTIONALITIES
Routing capabilities using Cisco 8000V
Support of 34Mbps routes
Time server
Easily exchangeable two SSD hard drives
SFP modules interchangeability

INTERFACES	
Electrical Ethernet Interfaces	
Switch	**12x10/100/1000Base-T/TX**
Router	**16x10/100/1000Base-T/TX**
Optical Ethernet Interfaces	**8xSFP at ST connectors**
Serial	**4x RS-232C**
Optical routes	**3x TRAKT**
	at ST connectors
Time synchronization optical connectors	6 x TS - at ST connectors
Time synchronization electrical connectors	4 x RS232C, 1 PPS, 10MHz

NETWORK PARAMETERS
IPv4 and IPv6 (unicast, multicast)
Generic Routing Encapsulation (GRE), Multipoint GRE (MGRE)
Standard 802.1d Spanning Tree Protocol (STP), VLAN and MPLS
DHCP – client, server and transmitter
DNS
RIPv1, RIPv2, OSPF, OSPFv3, BGP, EIGRP
Virtual Route Forwarding (VRF)
34Mbps synchronous streams (ROUTE)

MANAGEMENT
Acc. CISCO (IOS) – serial console, remote control, dedicated applications
Hidden signalization – possibility of turning off the LEDs

SECURITY
Secure Sockets Layer (SSL) VPN
Dynamic Multipoint VPN (DMVPN)
Support for RADIUS
Cisco IOS Firewall

POWER SUPPLY	
Power supply	+27 V (from 19 V to 35 V)
	Resistance for rapid power downgrade down to 12V for 5s
Power consumption	<200 W

OTHER TECHNICAL PARAMETERS	
Mechanical-climatical classification	N.7 -O-II(A & B) group, acc. NO-06-A101÷108 (multi-use and continuous work equipment)
Electromagnetic compatibility	NO-06-A200 (KRE-02, KCE-02, KCS-01, KCS-06, KCS-07, KCS-08, KRS-02)
Operating temperature	from -10°C to +60°C
Storage temperature	from -40°C to +65°C
Humidity resistance	95%-98% at +40°C
Cooling	Passive