



SDN Routing Platform

RP-201-01

Based on virtual Cisco router

Possibility of using various software licenses

Routing Platform RP-201-01

The RP-201-01 Routing Platform allows you to perform several network functions simultaneously, i.e., Router, Firewall, Session Border Controller, etc. It allows to build field IT networks both wide area and local. The device is designed for use in sets of mobile equipment (e.g., field apparatus rooms) and fixed equipment used for building IP networks.

The RP-201-01 is designed for mobile use in armed vehicles or stationary, as it is used for build IP networks in both scenarios.

The RP-201-01 is based on CISCO software platform and may be delivered with IOS system.

Device is designed as access point in Polish Military Network (PMN).

Technical parameters

BASIC FUNCTIONAL CAPABILITIES

Routing based on CISCO CATALYST 8000v platform.

Electrical and optical network interfaces

Build-in VoIP central with SBC function, Firewall, IPsec, IKEv2, SSL-VPN, RADIUS, TPM 2.0 secures the software. ZERO button is a safety assurance for physical attacks.

The device could be made as custom version due to possibility of using licenses with variety of efficiency.

INTERFACES

Electrical Ethernet Interfaces 4x10/100/1000Base-T/TX
On group connector

Optical Ethernet Interfaces 8x1000Base-SX
ST connectors

Serial 2x RS-232C

NETWORK FUNCTIONALITIES

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 relay

DNS, DDNS, DNS proxy

RIPv1, RIPv2, OSPF, OSPFv3, BGP, EIGRP

Virtual Route Forwarding (VRF)

Layer 2 Tunneling Protocol (L2TP) v3

MANAGEMENT

CISCO (IOS) compliant – serial management console, possibility of remote management with or without dedicated applications.

Resetting the device with a button.

The LED signaling can be turned off, providing hidden signaling.

SECURITY

Secure Sockets Layer (SSL) VPN

Next-Generation Encryption (NGE) and Quantum Computing Resistant (QCR)

Dynamic Multipoint VPN (DMVPN)

RADIUS and 802.1x support

Cisco IOS Firewall

TPM 2.0 module

POWER SUPPLY

Power supply +27 V (from 19 V to 35 V)
Resistant to a sudden drop in power supply to 12V for a period of 5s

Power consumption <60 W

OTHER TECHNICAL PARAMETERS

Mechanical and climatic classification N.7 and N.13-O-II(A and B) groups,
acc. NO-06-A101÷108 (multi-use and continuous use equipment)

Electromagnetic compatibility NO-06-A200 (MIL-STD-461F compliant) (KRE-02, KCE-02, KCS-01, KCS-06, KCS-07, KCS-08, KRS-02)

Operating temperature from -30°C to +60°C

Storage temperature from -40°C to +65°C

Humidity 95%-98% at +40°C

Cooling Passive

Optional possibility of upload and run Firewall Palo Alto, VoIP central, VoIP call recorder.