

ZZL-12E1 Super Efficient IP Router



The super efficient IP router ZZL-12E1 is the successor of devices from line ZZL-12, that's why it has a commutator of routes and a commutator of channels as a standard. The router has hardware accelerated IP routing, which allows to achieve the full efficiency of 1Gb of Ethernet interfaces, even for 64 B frames. The very high effectiveness of routing in the ZZL-12E1 is combined with an abundance of physical interfaces.

The ZZL-12E1 is perfect for military connection shelters and allow to take full advantage of the potential of modem broadband, horizontal radio relays for connecting territorially distant command posts into a single data exchange network. It also allows to share transmission media through a channel communication system and an IP package commutation system. The ZZL-12E1 may also directly cooperate with four radio relays of various types, with bandwidth of up to 34 368 kb/s. Internal IP router make it possible to combine up to 16 WAN connections.

The device has an intuitive and maximally simplified configuration interface. Using WWW for the device configuration does not require the user to install additional software on the computer, which makes it possible to administer the device virtually from anywhere in the network.

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System parameters

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| Router | 1 x 1000BASE-SX |
| ■ Ethernet interfaces | 4 x 1000BASE-TX 6 x 100BASE-FX |
| ■ WAN interfaces | 4 x 34 Mbps 12 x 2 Mbps |
| ■ Routing bandwidth | For packages with length from 64 B (RFC2544): <ul style="list-style-type: none">• routing between two Ethernet interfaces 1 Gbps• total efficiency of routing between Ethernet interfaces 4 Gbps Routing efficiency for WAN interfaces min. 180 Mbps (for 16 WAN directions) |
| ■ Functionality | RIPv2, OSPF, BGP QoS FIREWALL NAT Administration through SNMP, SSH, HTTP, operator's console and desktop Multicast Dense Mode *optional IPv6 |

Commutator

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| ■ Router interfaces | 20 x E1 (STANAG 4210, G.703), 4xSHDSL (range up to 4 km, bandwidth up to 2 Mbps) 8 x optional interfaces (E1, E2, E3, stream of up to 34 Mbps) |
| ■ Functionality | Possibility to commutate routes with other routes as well as with the router's WAN interfaces. Possibility to commutate channels in framed routes G.704 or STORCZYK. Lock-less communication matrix for all routes connected to the device. |
| ■ Power supply | 22-30 VDC |
| ■ Weight | < 32 kg |
| ■ Dimensions | width 502 - 2 mm height 258 mm - 2 mm (with legs) length 498 mm - 0,3 mm (with handles) |
| ■ Mechanical and climatic classification | N7-UZ-II-(A and B) according to NO-06-A101:2005 and NO-06-A103:2005 |
| ■ Power consumption | < 5A |
| ■ Casing type | 4WM |
| ■ Ambient temperature range | |
| •Working temperature | from -30 °C to +50 °C |
| •Limit temperature (for storage) | from -40 °C to +64 °C |