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ROUTER RZL-16A

The RZL-16A is the ZZL-12E and ZZO-12R families router with an embedded digital trunks and subtrunks (frame stream channel groups) commutator. It varies from the ZZL-12E and ZZO-12R with civilaian market finishing and different interface configuration. The RZL-16A allows for long-term commutations of digital channels with up to 16 E1 trunks or the STORCZYK system G.703/STANAG 4210/optical interface trunks. These commutations are completely wireless. Each trunk can work with the following framings: G.704, Storczyk or no framing (pure bit stream with capacity of 128 to 2048 kbps without synchronization).

The RZL-16 A router uses hardware IP routing which enables to achieve full output of 1GB Ethernet interfaces even for 64B-long frames.

The RZL-16A router features:

-8 router Ethernet interfaces compliant with 100FX, 1000SX, 1000TX, 1000LX standards and with customizable optical interfaces,
-8 trunk interfaces compliant with STANAG 4210 and G.703, SHDSL electric and optical standards with capacity of up to 34Mbps capable of working in the E1, E2, E3 modes and as data streams.

The RZL-16A router offers:

-RIPv1, RIPv2, OSPF, BGP routing protocols,
-MPLS, TDM trunk transmission over IP networks (CESoMPLS, TDMoIP),
-QOS, packet marking and band management,
-Firewall, IP filtering
-NAT,
-Management over WWW, SNMP, and operator's console.

Such interface variety makes our router an universal solution which can be used when setting up LAN as well as WAN infrastructure. The RZL-16A router allows for sharing of the transmission means through channel and IP commutation systems. The RZL-16A enables the set-up of up to 12 WAN connections.

The router comes in an 2U high open casing intended for installation in the 19" rack. The device works with DC 27V. Power consumption does not exceed 2A. The router complies with N1 group mechanical and environmental standards according to WPN-84/N-01003 (multiple and continuous usage equipment)

In order to use the RZL-16A one does not need to attend a specialised training. It is enough to know the rules of setting up teletransmission and packet networks. The configuration interface is intuitive and very simple. Configuring the device over WWW means that the user does not need to install any additional software and can easily manage the router from anywhere within the network. Users familiar with other TRANSBIT solutions should have no problems with configuring the RZL-16A. Configuration interfaces in our products are very similar.

Router

Ethernet interfaces:	4 x 1000TX 4 optical interfaces in any given configuration of the 100FX, 1000SX, 1000LX standards.
WAN interfaces:	2 x 34 Mbps 10 x 2 Mbps
Routing capacity for 64 B packets (RFC2544):	routing between two Ethernet interfaces: 1 Gbps in each direction total routing output between ethernet interfaces: 16 Gbps (full capacity 1Gbps in each direction on all ethernet interfaces) routing output from WAN interfaces: min 180 Mbps (for 12 directions WAN)
Functionality:	RIPv1, RIPv2, OSPF, BGP MPLS (CESoMPLS, TDMoIP) QOS FIREWALL NAT Management over SNMP, SSH, HTTP, operator's console

Commutator

Trunk interfaces:	4 x E1 (STANAG 4210, G.703) 2 x SHDSL (range up to 4 km, capacity up to 2 Mbps) 2 x optical interfaces (E1, E2, E3, trunk up to 34 Mbps)
WAN interfaces:	2 x 34 Mbps 10 x 2 Mbps
Functionality:	Possible trunk commutation with other trunks as well as with the router WAN interfaces. Possible trunk commutation in G.704 or STORCZYK frame trunks. Blocking free commutation matrix for all trunks connected to the device.

Other parameters

Power Voltage:	+27 V (-18 %, +10 %) with grounded negative pole - 48 V (-10 %, +20 %) z with grounded positive pole (must be specified in the order)
Power consumption:	< 2 A for +27 V and < 1 A for -48 V
Weight:	ca. 5 kg
Dimensions:	- width 482 [mm] - height 88 [mm] - depth 340 [mm]
Mechanical and environmental standards:	N1 WPN-84/N-01003 (multiple and continuous usage equipment)
Ambient temperature:	0°C do +40°C
Ambient temperature for the PO-240 operator's console:	-10°C do +50°C

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