

SA-Agent-Ext. Short description.

- This product is based on standard board of EtherLink2-SR. xDSL daughter board is not used.
- The board will used with universal Mini-Rack. (It is also possible to use EtherLink2-MR version with standard (non-universal) mini-rack case (from Polyrack for instance)).
- The product SW and HW provides:
 - Switching of Ethernet traffic like standard EtherLink2 LTU but with following differences:
 - Built-in Ethernet “switch” has 4 interfaces:
 - Ethernet port (connector is placed on the front of the module);
 - The first E1 interface (WAN1);
 - The second E1 interface (WAN2);
 - Internal “virtual port”.
 - Internal port has four TCP-ports:
 - 23: Telnet session of internal managing program;
 - 24: TCP-connection with data out on the Monitor (RS232) port of the Mini-rack;
 - 161: SNMP management.
 - Both E1 interfaces work in Transparent Mode (no G.704 framing is supported). Thus each 2Mbps stream contains only Ethernet data (HDLC encapsulated). 64kbps level is not supported.
 - Each E1 port receives data using incoming frequency. Each port transmits data using internal generator frequency.
 - On the PC side it is possible to use a SW that emulates COM-port (TIBBO TOOL-KIT for instance). Thus it is possible to establish virtual serial (RS232) connections from managing PC to equipment connected to SA-Agent modules.
 - SA-Agent has a switch on the front panel that switches Monitor port of the mini-rack between two modes:
 - Monitor interface (to access to SA-Agent using a PC (with VT100 emulation)) connected to Monitor interface by serial interface (**Configuration mode**);
 - Data transmission (from TCP-connection) (**Operation mode**).
 - SA-Agent provides external alarm contacts control (4 inputs):
 - This 4 inputs HW is placed on a daughter board. There are two connectors for external alarms connection: one (DB-9 male, **ALM IN**) for connection of “clean” alarm outputs (shorting detection) and the second (DB-15 female, **AUX**) – with opto-coupler protection (voltage presence detection).
 - The default state of external alarm (NO or NC) can be chosen by a command.
 - The possible states of external alarm input are: **on** (contact in alarm state), **off** (contact has not detected alarm state) and **det** (contact has detected alarm state).
 - Local terminal and SNMP-management are identical to EtherLink2 with following differences:
 - xDSL commands, indicators, variables and traps are excluded;
 - External alarm inputs and RS232 interface commands, indicators, variables and traps are added.

Front panel for SA-AGENT (for using in Universal Mini-rack).



