SHDSL SA 2ETH 2E1

P/N: ITT-TM161

Introduction

The ITTelecom SHDSL product family offers a broad range of products, which are based on the latest SHDSL standards (ITU-T G.991.2 & ETS TS 101524), while also being fully interoperable with all our existing SHDSL equipment .The Ittelecom supports beside of the standardized TC-PAM16/32 also the new extended TC-PAM4/8/64/128 line coding. SHDSL allows symmetrical data and voice transmission at speeds up to 15Mbps over a single pair of copper. In addition, the Ittelecom SHDSL modem range also supports DSL channel bonding for up to 2 copper pairs in order to achieve speeds up to 30.4Mbps. An integrated 2 port Ethernet layer 2 managed switch with VLAN, QoS and RSTP support (10/100BaseT) ensures connectivity to IP services.

The ITTelecom Mini SHDSL.bis modems is a perfect solution for a wide range of applications in which IP services need to be transmitted over copper wires. The Mini SHDSL.bis product is a small-sized NTU unit with all the functionality included. Like all Ittelecom products the Ittelecom SHDSL modems are based on industrial components and manufactured according to highest quality standards providing additional value due to the extended temperature ranges and higher reliability. The combination of comprehensive functions providing maximum flexibility together with the higher quality of the Ittelecom SHDSL product family make it the perfect choice for all your DSL needs.

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Modem SHDSL
SA 2ETH 2E1

Features & Benefits
One or two pairs support
Up to 15.2 Mbps data transmission per pair
SHDSL and SHDSL.bis with TC-PAM4/8/16/32/64/128
Point-to-Point, Point-to-Multipoint & Ring Operation
Two Port Ethernet Switch (10/100BaseT)
QoS, VLAN and RSTP Support
Transparent Transmission of Modbus RTU/ASCII, DNP3 and IEC 60870.5 Protocols
Console Port, Telnet, Web, SNMP Management
Included Primary Protection
Robust DIN-Rail Metal Enclosure
Smallest Size
Extended Temperature option (-40°C... +80°C)
Steel case

Properties	
DSL Version:	SHDSL / SHDSL.bis / Extended
Modulation:	TC-PAM16/32 and with Licence TC-PAM4/8/16/32/64/128
Data Rate:	128kbps - 60.928Mbps, 4x 15.232Mbps
Copper Pairs:	4 with Modes Master / Slave / Auto / Multipoint / Multipair
Interface:	2x E1 (120Ohm), 2x Ethernet 10/100BaseT (Layer 2 Managed Switch)
Power:	36 to 230VDC, accepts local and remote power, 5.3W Typ. 18 to 230VDC, no remote power when FG-PAM-SA4N-2E1B/2Eth-24V,V84E
Physical Interfaces:	RJ48 (E1), RJ45 (Ethernet), RJ48 (SHDSL), Molex (Power), DB9/USB (LCT)
Management	Console Port, Telnet, HTTP and SNMP
Temperature	Standard: -5 to +45ºC, Extended: -20 to +80ºC
Power Supply:	90-260VAC option with FG-PAM-PA48G (not included)

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