



DNT2Mi-fp530 Network Terminal

Nokia DNT2Mi network terminating unit is a highly efficient and cost-effective n*64 kbit/s Symmetric High Bit Rate Digital Subscriber Loop (SHDSL) terminal for standard copper wire local loop environment.

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Technical Data

Product Concept

Nokia DNT2Mi-fp530 (Data Network Terminal) provides data transport over the local loop to the central site. The unit is a SHDSL network terminal for transmission of n*64 kbit/s up to 2048kbit/s services (Data, IP) over the subscriber loop using one or two twisted copper pairs. The unit is equipped with a RS530, V.35 or V.11/X.21 interface towards the customer equipment.

DNT2Mi-fp530 is a stand-alone piece of equipment located at the customer's premises. It typically connects to the network node's line terminal unit ACL2i, ACL2ti or ACL8i.

The transmission conforms with ITU-T recommendation G.991.2 providing high quality, high performance transport over long physical distances using twisted copper pairs as a communication path. DNT2Mi-fp530 is optimized for delivering all n*64kbit/s up to 2048kbit/s services (voice, data, image and video) to the end user application. Installation accessories enabling flexible and functional installation in different environment is available.

Network Management

DNT2Mi Network Terminal can be managed locally by using a service terminal or PC-based management tools. Remote management is enabled by using a service terminal or with the Nokia Network Management system (NMS platform). The management features include remote configuration, test loop activation, line quality monitoring and alarms. Remote configuration reduces the installation requirement to a minimum line, power connection, and address configuration. Full configuration of the device can also take place from the central management site.



DNT2Mi-fp530 and optional adapters.

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Product Codes	DNT2Mi-fp
T65695.02	2-wire or 4-wire
Interfaces	
Network Interfaces	
Line code	TC-PAM (Trellis Coded Pulse Amplitude Modulation)
Line rate	192 ... 2048 kbit/s (2-wire) 384 ... 2048 kbit/s (4-wire)
Signal bandwidth	0...343 kHz (-3dB, 2048 kbit/s 2-wire)
Line interface	2-wire or 4-wire
Line impedance	135 ohm
TX power (0dB power backoff)	13.5 dBm@135 ohm (192...1984 kbit/s) 14.5 dBm@135 ohm (2048 kbit/s 2-wire)
Equipment interface	RS530 fixed, V.35 and V.11/X.21 with adapter
Transmission performance	
	Meets or exceeds G991.2
Operation and Management	
Local management	Craft Terminal, Service Terminal, Terminal Emulator
Remote management	Nokia NMS platform tools, Service Terminal, Service Terminal Emulator
Power	
Voltages	40 ... 70 V (DC) 90 ... 264 V (AC) with external AC/DC adapter 50 ... 150 V (powered remotely)
Consumption	4.7 W (2-wire operation) 5.9 W (4-wire operation)
MTBF	
	75 years
Mechanical Construction	
Dimensions	173 x 56 x 138 mm (H x W x D)
Weight	512 g
Environmental Specifications	
Transportation	ETSI ETS 300 019-2-2 class 2.3
Storage	ETSI ETS 300 019-2-1 class 1.2
Operation	ETSI ETS 300 019-2-3 class 3.2
Electromagnetic Compatibility	EN 300386:2000