

Watson TDM

Tabletop modems

The Watson TDM family is the latest generation of SHDSL modems from Schmid Telecom, a leading supplier of DSL modems for over a decade.

Watson TDM tabletop modems enable Carriers, Service Providers and Campus Operators to use a single modem type for a wide variety of services on 1 or 2 copper pairs. Watson TDM is the system of choice for PRA access, interconnection of LAN or PBX networks, ISP data connections and Radio Access Networks for 2G/3G mobile base stations.

Based on the Standard G.SHDSL.bis, Watson TDM tabletop modems deliver longer reach, higher reliability, higher throughput and more flexibility for a very competitive price.

Watson TDM's multi-speed capability allows Carriers to trade rate for range and adapt to the existing copper plant. Watson TDM tabletop

modems support payload rates from 192 kbps to 11.4 Mbps.

Watson TDM tabletop modems are fully compatible with the successful and proven family of Watson 5 SHDSL modems from Schmid. Existing Watson 5 installations can easily be extended with Watson TDM modems, even mixed link configurations are possible. All mechanics and accessories that are available for Watson 5 are compatible with Watson TDM.

Watson TDM is supported by Schmid's industry leading DSL management application, the Watson Element Manager WEM-2.

Watson TDM is one more way Schmid brings you innovation and technology leadership you can rely on for all of your transmission needs. All backed by Swiss quality and by worldwide service and support.

The Broadband Portfolio for Smart Telecommunication

Technical Specifications

DSL Interface

ITU-T G.991.2 (2005)
ETSI TS 101 524 (2006)
Line Code TC-PAM 16, TC-PAM 32
192 kbps – 5.7 Mbps per pair
1 or 2 copper pairs
Line Impedance: 135 Ω
Transmit Power 14.5 dBm @ 135 Ω
Connector RJ-45, 8 pin

User Interfaces

1 or 2 user interfaces

E1 2'048 kbps 120 Ω or 75 Ω
G.703 transparent or G.704 framed, PRA
Jitter performance according to ITU-T G.823
Connectors: RJ48C (120 Ω), BNC (75 Ω)

Nx64 Configurable for V.35, V.36, X.21
Proprietary D-Sub connector
DTE and DCE adapter cables for V.35 (ISO 2593)
and X.21 (ISO 4903)

System Features

Local and remote powering
Multiservice operation
ITU-T G.826 Performance monitoring

Management and Configuration

LED status indication
Urgent / non-urgent alarm relay contacts
Local Management: RS-232 (VT-100)
Remote Management through DSL Embedded Operations Channel
Supported by WEM-2
Firmware download (locally through serial interface, remotely through DSL)

Power Supply

Remote power feeding from plug-in
115/230 VAC with external adapter

Dimension and Weight

220 x 43 x 195 mm, 1 kg

Environmental Conditions

Storage	EN 300 019-1-1 class 1.2 (-25 .. +55 °C)
Transportation	EN 300 019-1-2 class 2.2 (-25 .. +70 °C)
Operation	EN 300 019-1-3 class 3.2e (-5 .. +55 °C)
Safety	EN 60950
EMC	EN 300386-2, ES 201 468 Level 2
Surge Protection	ITU-T K.21 (basic level)

Ordering Information

SZ.847.V310	Watson TDM tabletop 1p E1 120 Ohm
SZ.847.V318	Watson TDM tabletop 1p nx64, E1 120 Ohm
SZ.847.V330	Watson TDM tabletop 1p E1 75 Ohm
SZ.847.V338	Watson TDM tabletop 1p nx64, E1 75 Ohm
SZ.847.V410	Watson TDM tabletop 2p E1 120 Ohm
SZ.847.V418	Watson TDM tabletop 2p nx64, E1 120 Ohm
SZ.847.V430	Watson TDM tabletop 2p E1 75 Ohm
SZ.847.V438	Watson TDM tabletop 2p nx64, E1 75 Ohm



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