

WATSON TDM

WATSON TDM PLUG-IN



Technical Specifications

DSL Interface

2 or 4 DSL Interfaces
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
4 spams. 1, 2, 3 or 4 copper pairs per spam
Line Impedance: 135 Ω
Transmit Power 14.5 dBm @ 135 Ω
Connector RJ-45, 8 pin

User Interfaces

2 or 4 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: D-Sub (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

Remote powering feeding to tabletop modems and regenerators
Single and cascaded regenerators
Multiservice operation
Multipoint operation
High capacity E1 transmission (2 x E1 per pair)
1+1 automatic protection switching
ITU-T G.826 Performance monitoring

Management and Configuration

LED status indication
Local Management: RS-232 (VT-100)
Remote Management: SNMP, Telnet, SSH (through SCU)
Supported by WEM-2
Firmware download

Power Supply

48 .. 60 VDC (-17/+20%)

Dimensions and Weight

259mm (6 HE) x 220 mm x 30mm, 0.5 kg

Environmental Conditions

WATSON ETHERNET TABLETOP



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

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

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

Dimensions and Weight

220 x 43 x 195 mm, 1 kg

Environmental Conditions

Storage EN 300 019-1-1 class 1.2 (-25 .. +55 $^{\circ}$ C)
Transportation EN 300 019-1-2 class 2.2 (-25 .. +70 $^{\circ}$ C)
Operation EN 300 019-1-3 class 3.2e (-5 .. +55 $^{\circ}$ C)

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.20 basic level

Ordering Information

SZ.867.V218 Watson TDM plug-in 2xDSL nx64, E1 120 Ohm
SZ.867.V238 Watson TDM plug-in 2xDSL nx64, E1 75 Ohm
SZ.867.V612 Watson TDM plug-in 4xDSL 2xE1 120 Ohm
SZ.867.V614 Watson TDM plug-in 4xDSL 4xE1 120 Ohm
SZ.867.V632 Watson TDM plug-in 4xDSL 2xE1 75 Ohm
SZ.867.V634 Watson TDM plug-in 4xDSL 4xE1 75 Ohm
SZ.867.V682 Watson TDM plug-in 4xDSL 2xnx64

Safety EN 60950
EMC EN 300386-2, ES 201 468 Level 2
Surge Protection ITU-T K.20 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