WATSON II

WATSON 2 IS THE 2B1Q HDSL PLATFORM
FOR LARGE-SCALE COST-EFFECTIVE DEPLOYMENTS

WATSON 2 is the ideal choice for carriers needing high performance in their local loop at a low cost. WATSON 2 is the perfect platform to rapidly deploy services with the lowest total cost of ownership.

WATSON 2 modems are available in table top or plugin versions. Available interfaces include E1, also configurable as ISDN PRA, dual E1 and nx64 kbit/s, configurable as V.35, V.36 or X.21 for delivering voice and data services. WATSON 2 provides 2 Mbit/s service in 2-pair operation and 1 Mbit/s in 1-pair operation, fractional, partial and hot-standby modes are supported as well. WATSON 2 links can be extended by one or two remotely powered re-generators, which dramatically increases transmission distance. And WATSON 2 is fully manageable by Schmid's industry-leading DSL management software WEM-2.

These features and many more, combined with exceptional performance, are the reasons why WATSON 2 has delivered success again and again in the carrier-access market.

All backed by Swiss quality and by worldwide service and support to bring you and your customers
freedom of communication.

Schmid
Intelligent by design

FREEDOM OF COMMUNICATION

TECHNICAL SPECIFICATIONS

HDSL Interface

Standard	ETSI 101135
Line Code	2B1Q
Line Impedance	135 Ohm balanced
Transmit Power	13.5 dBm
Connector	RJ45

Interfaces

E1.2 Mbit/s	2.048 kbit/s ± 50 ppm; HDB3;
	G.703 transparent, G.704 framed, PRA
	120 Ohm balanced or 75 Ohm unbalanced
nx64 kbit/s	V.35 ISO2593 (34 pin)
(with DTE / DCE	V.36 ISO4902 (37 pin)
adapter cables)	X.21 ISO4903 (15 pin)

Management and Configuration

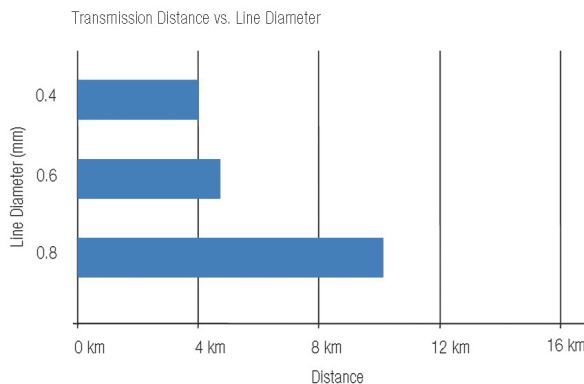|	
Performance data	ITU-T G.826
Monitor interface	V.24 / V.28, 9.600 Baud, VT100 terminal
Remote management	Telnet, SNMP, WEM-2 support
Alarms	Relay contacts

Environmental

Environmental conditions	ETS 300019
Operating temperatures	-5 to 55°C
Rel. Humidity	5% to 85%
Safety	EN60950
EMC	EN55022
Surge Protection	K.20 / K.21

Case

Tabletop	43 x 220 x 195 mm (H x W x D)
Plug-In module	259 (6 HE) x 30 mm (H x W)
Display	status LEDs, local and remote

Power Supply

NTU	Remote or local with external AC adapter 230 VAC
Plug-In LTU	Via subrack backplane 48VDC

Transmission Distance vs. Line Diameter

Ordering Information

LTU (Plugin)

SZ.363.V510W	W2 LTU L/R E1/PRA 120 Ohm
SZ.363.V511W	W2 LTU L/R dual E1 120 Ohm
SZ.363.V530W	W2 LTU L/R E1/PRA 75 Ohm
SZ.363.V533W	W2 LTU L/R dual E1 75 Ohm

NTU (Tabletop)

SZ.364.V510W	W2 NTU L/R E1/PRA 120 Ohm
SZ.364.V530W	W2 NTU L/R E1/PRA 75 Ohm
SZ.364.V580W	W2 NTU L/R nx64 (V.35/V.36/X.21)

Minirack

SZ.876.V100W	19" Minirack Mechanics for Plug-in
SZ.896.V100W	19" Minirack Mechanics for Table Top

SZ.DAT.W2DS 11B

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F R E E D O M   O F   C O M M U N I C A T I O N