WATSON5

WATSON 5 IS THE G.SHDSL PLATFORM
FOR E1, NX64 AND ETHERNET SERVICES

Based on the Standard G.SHDSL, WATSON 5 delivers longer reach, higher reliability and multiple interfaces for a very competitive price. WATSON 5 enables Telcos, Service Providers and Campus Operators to use one device for a wide variety of services on 1, 2 or 4 copper pairs.

WATSON 5's multi-speed capability allows carriers to trade rate for range and adapt to the existing copper plant, lowering deployment costs. It is ideal for PRA access, interconnection of LAN and PBX networks, as well as interconnection of mobile base stations and ISP data connections. Deployment range can be extended with the WATSON 5 Regenerator. WATSON 5 supports payload rates from 192 kbps to 6144 kbps.

This innovative system is supported by Schmid's industry-leading DSL management application, the WATSON Element Manager WEM-2.

WATSON 5 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 to bring you and your customers
freedom of communication.

Schmid
Intelligent by design

TECHNICAL SPECIFICATIONS

G.SHDSL Interface

ITU-T G.991.2 Annex B

ETSI TS 101 524-1, -2

Line Code TC-PAM 16

192 kbps – 2'304 kbps per pair

1, 2 or 4 copper pairs

Line Impedance: 135 Ohms

Transmit Power up to 16 dBm @ 135 Ohm

Connector RJ-45, 8 pin

Interfaces

E1 2'048 kBit/s

G.703 transparent or G.704 framed, PRA

120 Ohm balanced SubD
or 75 Ohm unbalanced BNC

Jitter performance according to ITU-T G.823

nx64 kbps: V.35 (ISO 2593, 34 pin),
V.36 (ISO 4902, 37 pin),
X.21 (ISO 4903, 15 pin),
DTE or DCE

Ethernet, RJ45, 10/100 Mbps half / full-duplex,

Auto sense, Auto Crossover

Management and Configuration

Performance Measurement G.826 ITU-T

Monitor Interface V.24 / V.28, 9.600 Baud,
VT100 terminal

Alarms relay contacts for urgent / non-urgent alarms

Remote Firmware Download

LED alarm indication

Remote Management

Telnet, SNMP, WEM-2 support

Case

Tabletop 43 x 220 x 195 (H x W x D)

Minirack Mechanics for Plug-in and
Tabletop housing

Plug-in Module 259 mm (6U) x 30 mm (H x W)

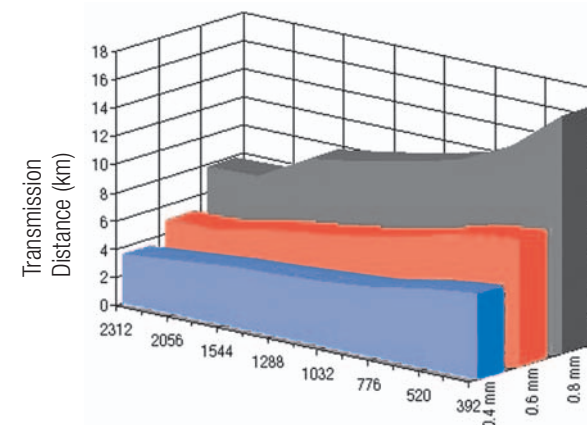Display status LEDs, local and remote

Power Supply

NTU Remote or local with external AC adapter 48VDC
LTU via subrack backplane 48VDC

Environmental

Operating temperature –5° to 60°C

Rel. Humidity Range 5% to 85%

Safety EN60950

EMC EN55022 / EN300386-2

Surge Protection K.20 / K.21

Applications

PRA access

Interconnection of LAN and PBX networks

Mobile basestation interconnection

ISP connection

E1, nx64, Ethernet

ILEC's, CLEC's, ISP's

Watson 5 Reach without noise (single pair)

Ordering Information

LTU (Plug-in)
SZ.866   Watson 5 LTU, E1/n x 64

NTU (Table-Top)
SZ.886   Watson 5 NTU, E1/n x 64
SZ.846   Watson 5 NTU, Ethernet

Regenerator
SZ.856   Watson 5 Regenerator

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

Subrack
SZ.379.V3W   19" Subrack for 12 Plug-ins

SZ.DAT.W5DS 11G

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