



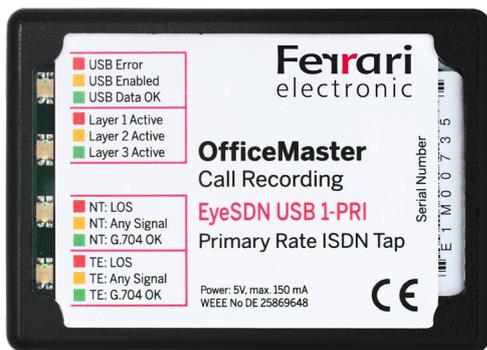
OM CallRecording USB 1-PRI

The call recording device is suitable for one primary multiplex interface. Due to the small form factor and rugged enclosure, it is ideal for both stationary and mobile use.

Datasheet 2018/04/16 | Ferrari electronic AG

OM CallRecording USB 1-PRI

The call recording device is suitable for one primary multiplex interface. Due to the small form factor and rugged enclosure, it is ideal for both stationary and mobile use.



Description / Features

OM CallRecording USB 1-PRI is a call recording device for the 30 phone lines of an ISDN E1 or the 23 phone lines of an ISDN T1 primary rate interface. The E1/T1 line is passively tapped with a high impedance circuit.

The digital contents of the ISDN frames is transferred to the PC via a USB cable, which is also used to power the device. Software on the PC decodes the information in the D channel and creates audio files from the B channel data during active calls. All data is stored on the hard disk of the PC operating the device.

OM CallRecording USB 1-PRI has 4 Multi-color status LEDs. These indicate

- Device and USB activity,
- Signal status (loss of signal, G.704 framing lock) per wire pair,
- Layer 1 and layer 2 activity
- B channels in use / calls in progress.

The software can detect various line states and fault conditions (AIS, remote AIS, CRC4 error, multi-framing, coding violation, LOS, G.704 lock, frame slip). The device can be connected to E1, T1 and J1 lines.

The small form factor and rugged enclosure make OM CallRecording USB 1-PRI suitable for stationary and mobile use.

Use Cases

Call recording is important for a number of industries and service providers.

- Financial institutions need to provide proof for any orders placed or any contracts closed during a phone call.
- Professionals providing consulting services in legal matters or health care may be liable for miscounselling and a recording of the phone call could help to document the conversation.
- Call centers may need to demonstrate to their clients that the quality of their customer communication is indeed high.
- Operators of emergency phone numbers (police, fire brigade, ambulance) are legally required to record any emergency calls.
- Taxi operators or pizza delivery services may find it useful to document their calls for later reference.
- Phone system maintenance and installation personnel can use the device to find any faults quickly.

The legal requirements for call recording are different in each country. Please seek legal advice to implement call recording in a lawful way.

CALL RECORDING

www.ferrari-electronic.com

Copyright © 2018 Ferrari electronic AG

Ferrari
electronic

Technical Data

Device Package Contents	<ul style="list-style-type: none"> • OM CallRecording USB PRI call recording device • CD-ROM with call recording software and user manual • Printed Quickstart Manual • USB cable • UTP patch cable
Dimensions	76mm x 55mm x 19 mm
Weight	60 g
E1 / T1-Interface	ITU-Standard G.703 / G.704 Point to Point
Impedance	> 1 kΩ AC
Connector	2x RJ45 Western Modular
Tests	LOS, Framing, AIS, Protocols
Channels	D, B1, B2 ... B30 (E1) D, B1 ... B23 (T1)
Protocols	Q.931, Q.SIG, DSS1, MCDN, DASS2, DPNSS, CAS MFC / R2, National ISDN2, AT&T 5ESS, DMX-100, voice activated
USB	1.1 and 2.0 (full speed)
USB Socket	USB Type B
Power	< 150 mA
LEDs	4 x red / green
Sampling Frequency	8000 Hz
Certificates	CE, RoHS, WEEE

Computer Requirements

Operation System	Windows Vista® Windows Server® 2008 Windows 7® Windows Server® 2008 R2 Windows Server® 2012 Windows 8®, Windows 8.1® (32 and 64 bit) Windows Server® 2012 R2 Windows® 10 Windows Server® 2016
Disk Space (software)	30 MB (excluding .Net runtime)
Disk Space (call recordings)	60 ... 960 KB / minute per channel and call
Processor Clock	> 2 GHz
USB	1 external USB port

Article

OM CallRecording USB 1-PRI; call recording solution for 1 PRI, contains USB PRI call recording device and call recording software

Art.-No.

RSM.56111

Connection Diagram

