



CSP-REC RECORDER SERVER

PERSEUS CSP is a telecommunication solutions designed to provide professional users with integrated network and services across heterogeneous technologies and to bring in professional broadband environment the same level of functionalities, services and reliability supplied by narrowband technologies.

The **CSP Recorder server (CSP-REC)** is the network element that processes, manages and stores all voice communications of the CSP network. The CSP-REC is based on a client-server architecture based on two main units:

- Recorder unit.
- Replay station.

The Recorder Unit is necessary to record communications while the Replay Station allows accessing and playing back the recorded calls.

The CSP Recorder Unit is industrial PC server HW based while the Replay Station is commercial PC workstation based.

The CSP communications recorded are stored as media files identified by the information contained in the assigned header:

- Data and time of the call
- Call duration
- Call priority and type
- Calling party identification
- Called party identification
- User identification
- Call reference.

MAIN FEATURES

The Recorder Unit is based on a reliable and modular architecture providing the following main features:

- Recording all CSP voice communications (individual and group calls)
- Recording all SIP Enterprise communications
- Managing the storage area where communications are securely stored
- Managing the profiles of Playback operators according to regulate the access to the recorded communications.

The Replay Station provides an operator with the services to access, analyse and playback recorded communications. The CSP-REC offers two different options for network connectivity in order to provide backward compatibility with legacy TDM networks:

- IP connectivity
- Conventional TDM connectivity (ITU-T G.703/ITU-T G.704 compliant).

Optional features

- Real time listening/viewing of ongoing communications may be supported.
- It is possible to filter the visualization of the recording (e.g. by date, time, priority, type, etc.)
- Advanced filtering of stored calls
- Security of data transmission in proprietary format.

TECHNICAL DATA

The technical data listed are refer to a typical CSP-REC server HW configuration.

GENERAL	
Dimensions (HxWxD)	88 mm (2U) x 483 mm (standard 19" rack) x 450 mm
Weight	About 10 kg (fully equipped)
Protection degree	IP 20
Cooling system	Air forced cooling system front to rear
Power supply	90-264 VAC, 50-60 Hz
Power consumption	Max. 150 W (fully equipped)
SBC Processor Unit	SBC full size over PCI-X - FSB 1333/1066 MHz Intel Quad Core Xeon, with 2,33 GHz clock each and 12 MB cache Dual GigaBit Ethernet Intel 82575 2 x USB 2.0 port
Backplane	PICMG 1.3 passive backplane 4 slot x PCI-X 64bit@100MHz (6.4Gbit)
RS 232	2x serial port RS-232
LAN4 GigaBitEth	Intel QUAD LAN 10/100/1000BASE-T

ENVIRONMENTAL CONDITIONS	
Storage	Compliant to ETSI ETS 300 019-1-1 class 1.2 standard
Transportation	Compliant to ETSI ETS 300 019-1-2 class 2.2 standard
Operation	Compliant to ETSI ETS 300 019-1-3 class 3.1 (+5° to +40°C) standard
EMC	Compliant to EN 300 386 standard (this standard concerns both emissions and immunity requirements) Emissions limits compliant to EN 55022 class A standard.
Safety	Compliant to CENELEC EN 60950-1 standard

PERFORMANCE	
Recording time	Up to 100,000 recorded hours (TETRA codec) Up to 12,000 recorded hours (G.711 codec)
Speech calls	Over 240 simultaneous
Replay stations supported	Up to 20

