



CSP-CRIS CONTROL ROOM INTERFACE 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 **Control Room Interface Server (CSP-CRIS)** is a network element that has been designed to meet control room requirements about redundancy, flexibility and easy integration with third party applications.

The CSP-CRIS provides APIs and SOA Web Services allowing third parties to develop their own control room dispatching applications. Access to the control plane is available via specific APIs and Web services while to the user plane is via SIP+ protocol. The CSP-CRIS provides also interface to legacy third party non IP-based control rooms.

MAIN FEATURES

The CSP-CRIS provides to customers a complete set of Public Safety services such as:

- Individual half/full-duplex calls
- Group calls
- Emergency and pre-emptive priority calls
- Short Data Service (SDS)
- Dynamic Group Number Assignment (DGNA)
- Call Authorized by Dispatcher (CAD).

The list of supported functional interfaces towards external components includes:

- CSP-CRIS to control room clients:
 - specific API-based/SOA Web Service interface for TETRA like signalling and security key management.
- CSP-CRIS to Network Management System:
 - Management model (MIB) based on the M3100 standard and CORBA.

TECHNICAL DATA

The technical data listed are referred to a typical CSP-CRIS 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	
Up to 64 simultaneous speech calls and 32 clients	

