



CSP-DS DISPATCHER STATION

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 **Dispatcher (CSP-DS)** allows control room operators to participate in multimedia communications inside the CSP core networks. The CSP-DS application runs on PC-based with easy-to-use and modern graphical users interface.

The CSP-DS GUI is the SW component that provides the Human Machine Interface (HMI) control room operators supplying a complete set of communication features such as; voice and video communications, subscriber management facility, access to supplementary services and integration with localization services.

The CSP-DS comes with an integrated multifunctional audio device that hosts plugs towards audio accessories available for Dispatching operators as; external loudspeakers, PTT-switch pedal, headset, handset, analog recorder etc.

The services offered by CSP-DS to a dispatcher can be grouped in:

- Main PTT services
- Supplementary services.

MAIN FEATURES

Telephonic services

- Voice speech calls (individual calls, group calls)
- Packet Data
- Short Data Service (individual SDS, group SDS, free text messages)
- Group real-time video streaming

CSP-DS

- Simultaneous group real-time video streaming service and voice communications service (planned on roadmap).

Some supplementary PMR services

- Priority, pre-emptive and emergency calls
- Subscriber database services:
 - Group patching
 - Database browsing
 - Dynamic Group Number Assignment (DGNA)
- Ambient listening
- Discreet listening.

The typical Leonardo's Dispatcher configuration for control rooms provides integration of three monitors where are represents the following applications:

- Dispatcher Graphical User Interface (GUI)
- Automatic Localization System map (ALS)
- Security Management Platform (SC2).

In typical markets where the robustness is an important features, the IP dispatcher application can be installed in a semi-rugged laptop PC used as in military and critical infrastructure markets. In this cases also ALS application (server and client) can be integrated in the same PC.



TECHNICAL DATA

The technical data and the environmental specifications listed here, are refer to a basic CSP-DS PC HW configuration.

GENERAL	
Operating System	Genuine Windows® 7 Professional 32-Bit (English)
CPU & RAM	Intel Xeon - 4GB
Hard drive	2x HD 500GB (minimum) RAID1 controller, 7200 rpm (redund.)
Networking	LAN server adapter PCI - 10/100/1000 Mbit/s dual (redundant)
Storage controller	RAID 0/1/5/10, SATA and PCI
Graphics controller	1GB DDR3 (video resolution 1280x1024)
Audio output	Stereo high definition, 24 bit conversion
I/O (input/output) ports	1 x USB 2.0 1 x RS-232 serial 1 x LAN 1 x VGA
Optical drive	1 x 8x DVD +/-RW
Mouse	Optical
Power consumption	About 150 watt maximum (fully equipped)
Power requirements	Input voltage 100–240 VAC, 47/63Hz
RS 232	2x serial port RS-232
LAN4 GigaBitEth	Intel QUAD LAN 10/100/1000BASE-T

PERFORMANCE	
Server fleets managed	Fleets may range in size from 1 to 2,000 units (for each server)
Clients	Up to 10 ALS clients supported per server
Users	Up to 200 users tracked per ALS client

ENVIRONMENTAL SPECIFICATIONS	
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
CE marked	Compliant to essential requirements of 2004/108/EC directive

