

# CSP PLATFORM



Homeland Security & Critical Infrastructures

## CSP-HW PLATFORM INDUSTRIAL SERVER

The CSP platform is a software-based architecture that can be delivered on commercial-off-the-shelf (COTS) Hardware. Typically, it is deployed on a hardware platform adaptable to 19" standard cabinets and 2U rack-mountable able to host different software configurations. The CSP Hardware platform (CSP-HW) is based on a standard industrial server.

### TECHNICAL DATA

The mechanical structure specifications of the proposed CSP-HW platform are:

- Dimensions (WxHxD)
  - 483mm (19" standard) x 88mm (2U) x 450mm [19"x 3.5"x17.7" in]
- Weight
  - 20kg [44.09lb]
- Mounting
  - 2U 19" rack mount chassis for passive backplane PICMG 1.3
- Front drives
  - 1 x media slim 5.25"; 2 x HDD 3.5" SATA/SAS removable
- Cooling units
  - 3 x 80mm (= 42.5 CFM cad.) Ball Bearing Fan
- Filters
  - 1 washable 30ppi air filter
- Front LEDs
  - Power LEDs and HDD functionality
- Front switch
  - Power On/Off and System Reset
- Front
  - Door with captive screws 2 x USB and PS2



A Finmeccanica Company

selex-es.com

- Rear
  - 2 x USB on SBC; 2 x USB on bracket; VGA
- Internal
  - 2 x USB ports for Encryption keys
- Protection degree
  - IP20
- Colour
  - Black
- Slides
  - Optionally set of rack slides.

#### Power specifications:

- Power supply
  - 90VAC to 264VAC
  - 47Hz to 63Hz
- Power consumption
  - 400W

## CSP-HW CONFIGURATION FOR CSP-CM COMPACT

The CSP-CM COMPACT can integrate into the same CSP-HW platform more CSP platform functions:

- CSP-CM
- CSP-SMN
- CSP-GW.

The typical CSP-HW configuration for the CSP-CM COMPACT is the same used for either the CSP-CM or the CSP-GW.

CSP-HW environmental specification	
Storage	ETSI ETS 300 019-1-1 class 1.2
Transportation	ETSI ETS 300 019-1-2 class 2.2
Operation	ETSI ETS 300 019-1-3 class 3.1 (+0° to +50° C)
EMC	CSP-HW shall be compliant to the standard EN 300 386. This standard concerns both emissions and immunity requirements. Emissions limits shall be those of the standard EN 55022 class A.
Safety	CSP-HW shall be compliant to the standard CENELEC EN 60950-1

### CSP-HW Configuration

Typical CSP-HW configuration common for CSP-CM/CSP-SMN/CSP GW/CSP CRIS and CSP REC:

Equipment	Description	CSP CM	CSP SMN	CSP GW	CSP CRIS	CSP REC
Single Board Computer (SBC)	<ul style="list-style-type: none"> <li>• SBC Full Size over PCI-X - FSB 1333/1066 MHz</li> <li>• CPU: Dual Intel Quad Core Xeon, with 2,33 GHz clock each and 12 MB Cache</li> <li>• Memory: 8 GB, DDR2 ECC registered</li> </ul>	X	X	X	X	X
Storage	Doble Removable HDD 500GB SATA, 3.5"	X	X	X	X	X
Media	DVD RW slim	X	X	X	X	X
Backplane	<ul style="list-style-type: none"> <li>• PICMG 1.3 Passive Backplane</li> <li>• 4 slot x PCI-X 64bit@100MHz (6.4Gbit)</li> </ul>	X	X	X	X	X
Serial port	RS-232 (DB9 Male)	X	X	X	X	X
LAN GigaBitEth port	Six (6) LAN 10/100/1000BASE-T	X	X	X	X	X
ISDN PRI	2 x port ISDN PRI T1/E1, PCI 32bit (3.3 V)	-	-	Option	-	-
4wE&M	8 x port Analog 4WireE&M	-	-	Option	-	-
ANALOG FXO	4 x port Analog 2w Loop Start FXO Signal Telephone card, PCI 2.2-compliant 32 bit (5.0 V 64bit (3.3 V) compatible)	-	-	Option	-	-

