

LOUVAR ZX5-D

Defence Certified Fanless Computer

Intel® 5th Gen Core
5010U, series Processor

KEY BENEFITS

- Fully certified for defence applications to include shock, vibration, EMC and environmental.
- Suitable for crews' quarters and bridge installations with exceptionally low noise and a high reliability design.
- Powerful 5th generation core Intel processors.
- Extremely compact, with flexible mounting options using brackets and mounts.
- Data security and integrity through fibre connectivity and Tempest approvals (on request).
- MIL-STD approved units available.
- Customised configurations available.



The Louvar offers a highly engineered, compact defence certified computer for naval ships around the world. It can be easily deployed around the ship in areas such as the bridge or general crews' quarters. Compliant to all main naval and DEFSTAN standards, it is built for a long working life and provides an excellent return on investment.

The almost quiet operation and with flexible configurations, this high performance machine makes the Louvar the ideal choice.



Model ZX5-D-CO1-50 xx



fibre port for added security.



stackable modular
configuration, using
approved stacking brackets.
(Note ZX3 illustrated)



vertical mounting using custom
sleeve with secure mounting.



unique removable SSD drawer
and locking system.

- ✓ Defence Compliant
- ✓ Tempest (optional)
- ✓ High Performance
- ✓ Excellent ROI

Rugged, Compact, Defence Compliant, Fanless Computing

Specifications

Model ZX5-D-CO1-50 xx	
CPU	Intel® Core 5th generation embedded CPU i3 - 5010U 3MB Cache 2.1 GHz
Memory	16 GB DDR 3L SO-DIMM
Hard drives / Disks	120GB SSD SATA 3 (6Gb/s) 2.5" format drive
Graphics	Integrated Intel HD Graphics 5500. 2 x Display Port dp++ Capable of Dual monitor support
LAN	On board Intel 1 x Gigabit PHY i218LM, 1 x Gigabit i210/211. Via 2 x RJ45 LAN ports + Mini PCIe Intel i210-AT Gigabit Card
USB	6 USB 2.0/3.0 2 x USB 2.0 ports (Front Panel) 4 x USB 3.0 ports (Rear I/O Panel)
Expansion	1 X PCI x4 Slot , 1 x Full/Half size Mini PCIe slot
Serial Port	1 x Serial Port COM 1
Audio	High Def Realtek ALC 888S 7.1 channel. Mini Jack 3.5 Headphones and Microphone
Fibre	Media Converter 10/100/1000 (SC Connectors) via Mini PCIe LAN Card
Operating System	Windows 7, 8 and 10, optional Linux

Model ZX5-D-CO1-50 xx	
Power supply	External AC Power Adapter
Input Voltag	12-24VDC
Mounting	Desk mount brackets. optional stacking brackets .optional rack mount.
Dimensions	64mm H x 226mm W x 306mm D
Weight	3.4Kg steel chassis
Construction	Ruggedised zinc plated steel chassis (with interlocking lid) and chassis keylock
Operating Temp.	0 to +60 deg C
Storage Temp.	minus 20 deg C to +70 deg C
Certification	see separate panel below.
Ordering Information	Louvar ZX5D-CO1-50-i3 Defence certified computer with i3-5010U 2.1 GHz CPU
Optional Accessories	19 inch rack mounting kit Desk mounting kit Stacking kit. i5-5350U 1.8 to 2.9 GHz i7-5650U 2.2 to 3.2 GHz Hard Drive upgrade to 240GB or 480GB capacity

either one or two system cooling fans may be used depending on application.

Photos are for illustration purposes and should not be relied upon for product accuracy. Please contact our technical department for further details.

Certification

Shock	Def Stan 08-123:2012 Datasheet 28
Vibration	DEF STAN 08-123:2012 Datasheet 25
Safety	IEC/EN 62368-1:2018
Lloyds	Lloyds Type approval (optional)
EMC	EN 55032, EN 55035, IEC 60945 Def-Stan 59-411 A2:2014, Sea Below Decks
Tempest	NATO SDIP 27, Level B (on request)
Markings	UKCA & CE

NATO stock number	Product variant
7021-99-846-2630	PNP-LVR-O-104-A
7021-99-753-0841	PNP-LVR-O/F-106-A
7021-99-226-7062	PNP-LVR-S-102-A
7025-99-325-6606	PNP-LVR-ACCPK

Technical Details



Rear view of Louvar ZX5 showing fibre port with ST connectors. SC connectors are also available.

For a more complete list of certifications, please refer to the datasheet or contact us: technical@primarynetworks.co.uk