

# LOUVAR ZX5-A

## Defence Certified Fanless Embedded Computer

Intel® 6th Gen Core Duo, 6100 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 4th and 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.
- MIL-STD approved units available.
- Customised configurations available.

The Louvar ZX5-A is the revised model of the ZX5 with a couple of minor changes. There is no longer a DVD drive and so a modified top cover now offers extra vents for air cooling. An upgraded power supply to meet the new electrical safety standards, EN60950 is supplied as standard.

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 ZX5G-A-CO1-50-xx



fibre port for added security.



stackable modular configuration, using approved stacking brackets.



unique removable SSD drawer and locking system.



vertical mounting using custom sleeve with secure mounting.

## Rugged, Compact, Defence Compliant, Fanless Computing

# Specifications

Model ZX5G-A-CO1-50-xx	
CPU	Intel® 5th generation Core, embedded i3 - 5010U, up to 2.1 Ghz i5 - 5350U, up to 1.8 to 2.9 Ghz i7 - 5650U, up to 2.2 to 3.1 GHz
Memory	8 GB expandable to 16 GB (supportd 16GB DDR3)
Hard drives / Disks	SATA 3 (6Gb/s) 2.5" SATA SSD
Storage	120GB SSD (optional 160GB, 240GB or 480 GB)
Graphics	Integrated into CPU HD Graphics
Video	2 x Display Port dp++ Capable of Dual monitor support
Expansion	1 X PCI x4 Slot , 1 x Full/Half size Mini PCIe slot
LAN	2 x Gigabit LAN ports
USB	2 x USB 2.0 ports (Front Panel) 4 x USB 3.0 ports (Rear I/O Panel)
Optional interface	1 x Serial Port COM1, 1 X Serial Port COM2
Audio	High Def Realtek ALC 888S 7.1 channel. Mini Jack 3.5 Headphones and Microphone
Operating System	Windows 7, 8 and 10, optional Linux

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

Model ZX5G-A-CO1-50-xx	
Power supply	AC Power Adapter
Input Voltage	12-24VDC
Mounting	Desk mount brackets. optional stacking brackets optional rack mount.
Dimensions	64mm H x 226mm W x 313 mm D
Weight	3.4Kg steel chassis 2.5 Kg aluminium
Construction	Ruggedised Aluminium alloy chassis (with interlocking lid) and chassis keylock or 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 ZX5G-A-CO1-50-i3 Defence certified computer with i3 - 5010U, 2.4 GHz CPU Louvar ZX5G-A-CO1-50-i5 Defence certified computer with i5 - 5350U, 1.8 to 2.9 GHz CPU Louvar ZX5G-A-CO1-50-i7 Defence certified computer with i7 - 5650U, 2.2 to 3.1 GHz CPU
Optional Accessories	19 inch rack mounting kit Desk mounting kit Stacking kit, Internal DVD drive

## Certification

Shock	DEFSTAN 08-120 & BRs 8470-8473
Vibration	DEFSTAN 08-123 data sheet 25 and BR3021 Part II
EMC	DEFSTAN 59-411, EN 55022, EN 55024, EN 6100
Tempest	NATO SDIP 27, Level B (on request)
Pressure	DEFSTAN 08-123 data sheet 14
Environmental Conditions	DEFSTAN 08-123
Safety	EN 60950, 2006/96/EC
CE	European CE mark.

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 panel of ZX5G-A

For a more complete list of certifications, please refer to the data-sheet or contact us: [technical@primarynetworks.co.uk](mailto:technical@primarynetworks.co.uk)