

LOUVAR ZX7

Defence Certified Fanless Embedded Computer

Intel 7th Gen Core Duo, 7100 series processor

KEY BENEFITS

- Fully certified for defence applications to include shock, vibration, EMC and environmental.
- Powerful Intel 7th Gen Core Duo™ Processors, with a choice of i3, i5 and i7 with DDR4 memory up to 32 GB.
- Recommended for Naval fleets with all sizes of vessels including submarines.
- Suitable for ships communication networks including crews' quarters and bridge with exceptionally low noise and a high reliability design.
- Extremely compact but with excellent cool running operation.
- Data security and integrity for red and black networks using fibre connectivity and Tempest approvals.
- Unique removable SSD drawer and locking system allows data to be removed and stored securely.
- Customised configurations available.

The Louvar ZX7 replaces the highly successful ZX5 as a stable and reliable platform for the Navy. Choose between the ZX6 (for Win 7 and 10 applications) or the ZX7 (for Windows 10 only).

The Louvar ZX7 is the latest in high performance, 7th generation processing using the Intel 7000 series processor. It offers a highly engineered, compact 'defence certified' computer for naval ships and land based secure locations around the world. It can be easily deployed around the ship in areas such as the bridge or general crew's quarters.

Compliant to most international Naval and DEFSTAN standards, it is designed and built for a long working life and provides an excellent return on investment.

The quiet mode operation with low power and excellent cooling design enables flexible configurations in compact spaces without overheating issues. With a choice of cpu and connectivity options, the ZX7- is the ideal choice.



Model ZX7-CO3-50-xx



unique removable SSD drawer and locking system.



stackable modular configuration, using approved stacking brackets.



vertical mounting using custom sleeve with secure mounting.



fibre port for added security.

- ✓ Defence Compliant
- ✓ Tempest approved
- ✓ High Performance
- ✓ Excellent ROI

Rugged, Compact, Defence Compliant, Fanless Computing

Specifications

Model ZX7-CO3-50-xx	
Processor	Intel 7th Gen Core i7, i5, i3 Processors™ i3-7100U with 3Mb SmartCache, 2.3GHz
Memory	16 GB, 2 x DDR 4 SO-DIMM Sockets 2133 up to 32GB RAM (Max)
Chipset	Intel 100 Series PCH-LP
Graphics	2 x Display Ports, Intel HD Graphics 620
Peripherals	2 x Display Ports++ (DP, HDMI/DVI), 6 x USB 3.0/2.0 (4 x USB 3 ports on rear, 2 x USB 2 ports on front), 1 x RS232 (on rear)
Audio	On board sound Realtek ALC8885-VD 7.1 HD Audio Mic in & Line out
LAN interface	On board Intel I219LM & Intel I211 Controller, 2 x RJ45 LAN ports, BIOS 8/16M Flash ROM BIOS, WOL & PXE supported.
LAN (Mini PCI)	Fast Ethernet Module Intel I210-AT Gigabit LAN (converted to fiber optic interface)
Fibre	Media Converter, Gigabit module (ST, SC or LC Connectors)
Operating System	Windows 10 only
Operating Temp.	0 to +60 deg C
External PSU	100V-240V AC, 1.5A 50/60Hz Output 19V DC @ 4.74A
Hard drives / disks	SATA 3 (6 Gb/s) , 2.5" SATA SSD Removable hard drive in caddy (optional)

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Storage	120 Gb SSD (optional 160 Gb, 240 Gb or 480 Gb). On board SATA 3.0 controller provides SATA interface
Mounting	Desk mount brackets. Optional stacking brackets (4 or 5 Louvars may be stacked). Optional rack mount
Dimensions	64mm H x 226mm W x 313 mm D
Weight	3.4Kg heavy guage steel. 2.5 Kg lighter guage steel.
Construction	Ruggedised steel chassis (with custom interlocking lid, with chassis keylock and unique key configuration).
Ordering information	Louvar ZX7-CO3-50-i3 (7100U) Louvar ZX7-CO3-50-i5 (7300U) Louvar ZX7-CO3-50-i7 (7600U)
Optional accessories	19 inch rack mounting kit. Desk mounting kit. Stacking kit.

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

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.

Technical Details



Rear panel of ZX7

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