PRIMARY NETWORKS

Louvar ZX5

Defence Certified Fanless Embedded Computer

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.
- 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 ZX5G-CO1-50 xx

Rugged, Compact, Defence Compliant, Fanless Computing

Specifications

	Model ZX5G-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 removable hard drive (optional)
DVD/CD	DVD / CD writer (optional)
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

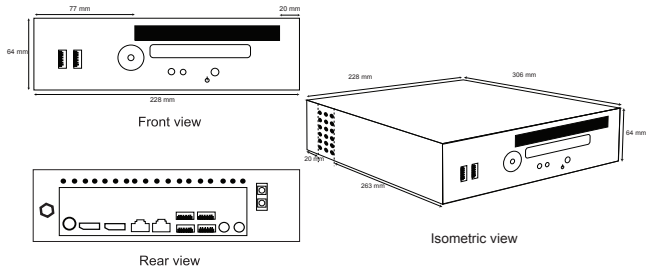
either one or two system cooling fans may be used depending on application.

	Model ZX5G-CO1-50 xx
Power supply	AC Power Adapter
Input Voltage	12-24VDC
Mounting	Desk mount brackets. optional stacking brackets optional rack mount.
Dimensions	65mm H x 280mm W x 360mm 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-CO1-50-i3 Defence certified computer with i3 - 5010U, 2.1 GHz CPU Louvar ZX5G-CO1-50-i5 Defence certified computer with i5 - 5350U, 1.8 to 2.9 GHz CPU Louvar ZX5G-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	Def Stan 08-50 , SDIP 27 Level B
Pressure	DEFSTAN 08-123 data sheet 14
Environmental Conditions	DEFSTAN 08-123
Safety	EN 60950, 2006/96/EC
CE	European CE mark.

Technical Details



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

www.primarynetworks.co.uk

EMEA Office
27 Old Gloucester Street, London, WC1N 3AX, UK

T:0845 230 6688
F:0845 230 6688 | E:sales@primarynetworks.co.uk

© Primary Networks 2016