PRIMARY NETWORKS

# Louvar ZX3
## Defence Certified Computer

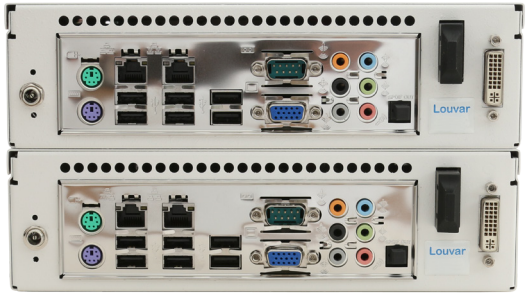
## KEY BENEFITS

- Ideal for marine and naval applications.
- Fully certified for defence standards to include shock, vibration, EMC and environmental.
- Rugged design for harsh installations.
- Suitable for crews' quarters and bridge installations with exceptionally low noise and a high reliability design.
- Powerful 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 ZX3G-CM1-10 xx



**Rugged, Compact, Defence Compliant, Reliable Computing**

# Specifications

| | Model ZX3G-CM1-10 xx |
|---|---|
| CPU | Intel processor<br>i3 - 5010U, up to 2.1 Ghz<br>i5 - 5350U, up to 1.8 to 2.9 Ghz<br>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)<br>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 |

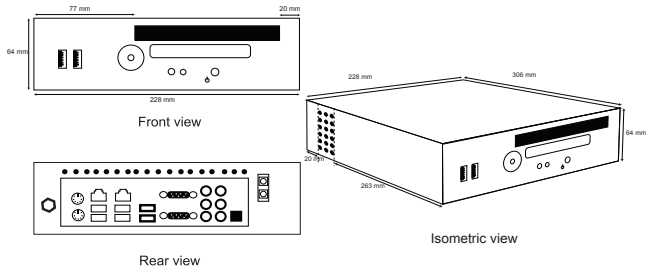
either one or two system cooling fans may be used depending on application.

| | Model ZX3G-CM1-10 xx |
|---|---|
| Power supply | AC Power Adapter |
| Input Voltage | 12-24VDC |
| Mounting | Desk mount brackets.<br>optional stacking brackets<br>optional rack mount. |
| Dimensions | 65mm H x 280mm W x 360mm D |
| Weight | 3.4Kg steel chassis<br>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 ZX3G-CM1-10 -i3<br>Defence certified computer with i3 - 5010U, 2.4 GHz CPU<br>Louvar ZX3G-CM1-50-i5<br>Defence certified computer with i5 - 5350U, 1.8 to 2.9 GHz CPU<br>Louvar ZX3G-CM1-50-i7<br>Defence certified computer with i7 - 5650U, 2.2 to 3.1 GHz CPU |
| Optional Accessories | 19 inch rack mounting kit<br>Desk mounting kit<br>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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