

# DuraPANEL 15.6" S-Line

Wide Screen Panel PC for Marine Applications

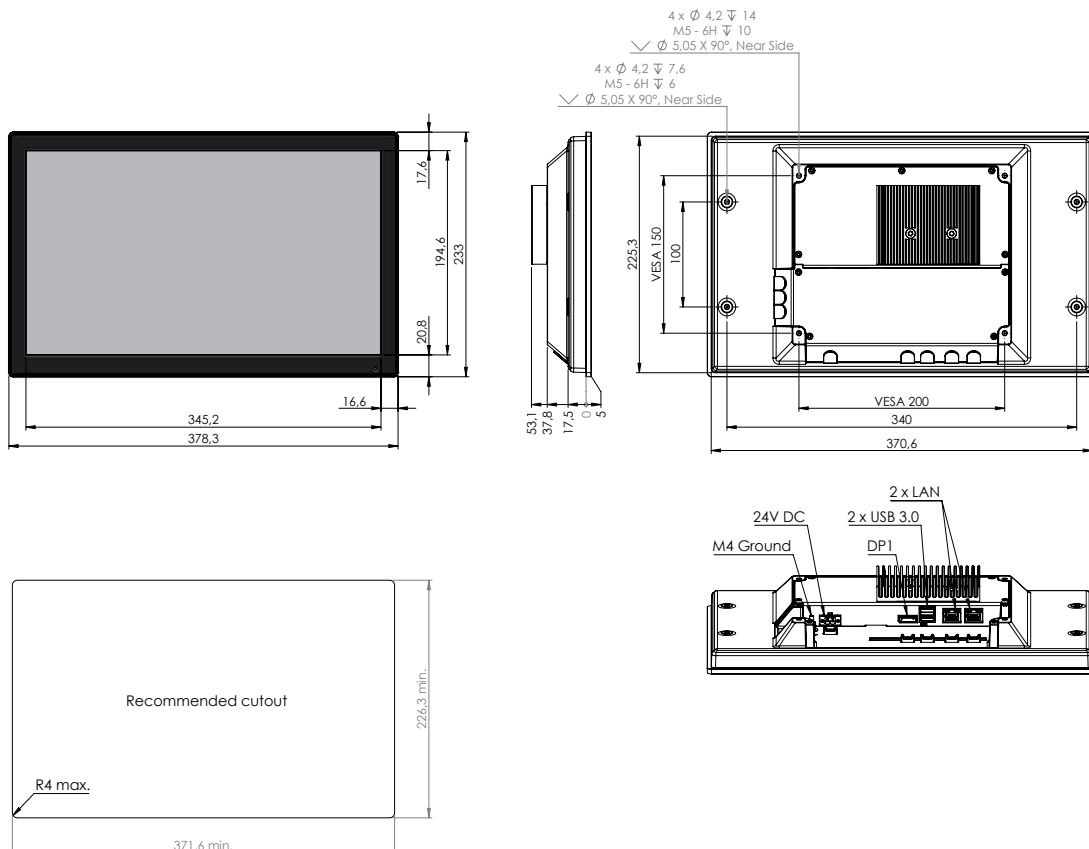


**DuraPANEL 15.6" S-Line** Panel PCs are designed for marine, naval and other demanding environments where reliable and durable hardware is required.

The S-Line product family is an up-to-date and cost efficient design featuring super slim design, narrow bezel, low weight and low power consumption.

- ✓ 60945 Type Approval
- ✓ ECDIS Applications
- ✓ Radar Applications

## Mechanical outline



## Display properties

|                   |  |
|-------------------|--|
| Size              | 15.6" wide screen                        |
| Aspect ratio      | 16:9                                     |
| Active area       | 344.16 x 193.59 mm                       |
| Luminance         | 500 Cd/m <sup>2</sup>                    |
| Contrast          | 1000:1                                   |
| Native resolution | 1920 x 1080                              |
| View angle        | 89° (L/R/T/B) typical                    |
| View distance     | 617 mm minimum                           |
| Glass             | Anti-reflective and chemically toughened |
| Touch             | P-Cap multi touch                        |

## Motherboard

|                   |  |
|-------------------|--|
| Chipset           | Intel® SoC solution                    |
| CPU               | Atom X5-E3940 1.6GHz 4 cores 4 threads |
| Watchdog timer    | 65536 levels, 1 to 65535 sec.          |
| HW monitoring     | Temperature, voltage                   |
| Wake-on-LAN       | Yes                                    |
| On board graphics | Intel® HD Graphics 500                 |
| Graphics supports | DirectX 12 Open GL 4.3 Open CL 2.0     |

## Memory and storage

|         |                                       |
|---------|---------------------------------------|
| Memory  | Up to 8 GB DDR3L RAM, SODIMM          |
| Storage | 1 x M.2 B key 2242                    |
| Storage | Alternative via PCIe for NVME/SATA3.0 |

## Power supply/power consumption

|             |                               |
|-------------|-------------------------------|
| DC Power    | 18 - 36 VDC galvanic isolated |
| Consumption | 30 W Typ. 40 W Max.           |

## Operator control interface & OSD

|                    |                  |
|--------------------|------------------|
| Dimming            | Windows API      |
| Display properties | Controlled by OS |

## OS options

|         |            |
|---------|------------|
| Windows | Win 10 IoT |
|---------|------------|

## Input/output terminals

|              |                          |
|--------------|--------------------------|
| DP video out | 1 x DP++                 |
| USB          | 2 x USB 3.0 Type A       |
| Ethernet     | 2 x Gbit LAN, Intel I211 |

## Physical dimensions

|                   |                                |
|-------------------|--------------------------------|
| Dimensions        | 378 (W) x 233 (H) x 58 (D) mm  |
| Dimensions in box | 470 (W) x 340 (H) x 180 (D) mm |
| Weight            | 3.3 kg 4.0 kg in box           |

## Environmental

|                 |                                  |
|-----------------|----------------------------------|
| Operating temp. | - 15 to 55° C                    |
| Storage temp.   | - 25 to 70° C                    |
| Humidity        | 8 to 95% RH                      |
| Protection      | IP56 from front - IP22 from rear |
| Compass SD      | 105 cm (stand.) 65 cm (steer.)   |

## Options & accessories

|                 |  |
|-----------------|--|
| Remote control  | ISIC tactile key pad - pending           |
| Table/ceiling   | Table/ceiling mounit bracket (09314-000) |
| Console bracket | Console mounting kit (09354-000)         |

## Approvals & Certificates

|             |                                   |
|-------------|-----------------------------------|
| CE          | EN 61000-6-2 & EN 61000-6-4       |
| Marine      | IEC 60945 ed. 4 & IACS E10 rev. 8 |
| Certificate | DNV Mutual Recognition            |