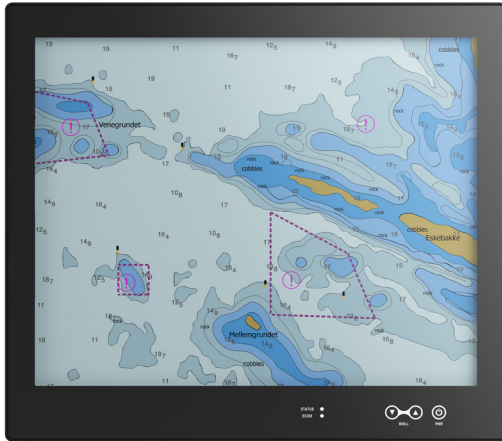


DuraPANEL 19" G-Line

Panel PC for Radar & ECDIS



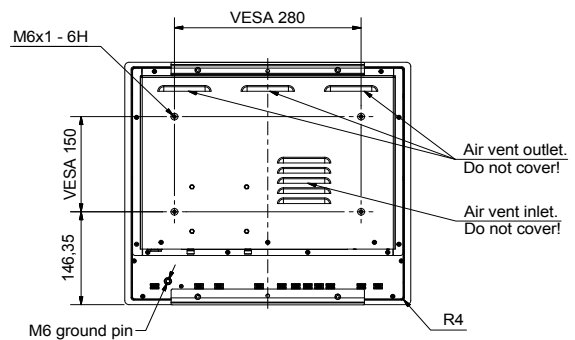
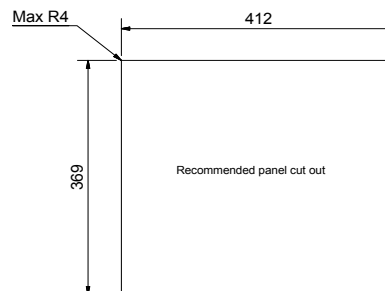
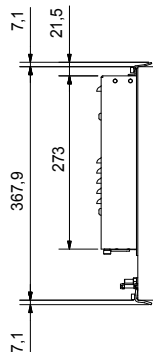
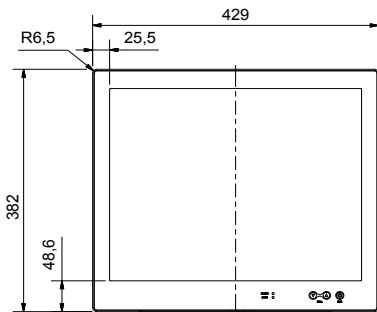
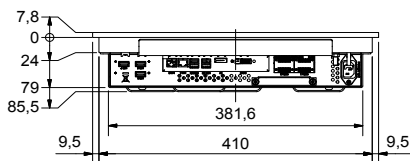
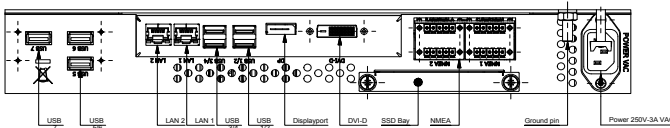
DuraPANEL 19" G-Line Panel PCは、ハードウェアに対して信頼性と耐久性が求められる、船舶・海軍等の用途用にデザインされました。CAT 2 Radar 対応

G-Lineプロダクトファミリーは、製品投入後の長い実績があり、調光キーを備えた前面フルガラスを特徴とする製品です。

- ✓ 60945 Compliant
- ✓ ECDIS Applications
- ✓ Radar Applications

Mechanical outline

DuraPANEL 19" G-Line



Specifications DuraPANEL 19" G-Line

Display properties

Size	19.0"
Aspect ratio	5:4
Active area	376.0 x 301.0 mm
Luminance	300 Cd/m ²
Contrast	2000:1
Native resolution	1280 x 1024
View angle	89° (L/R/T/B) typical
Glass	Anti reflection coated front glass

Motherboard

Chipset	Intel® H110 64Bits
TPM	Yes - Infineon SLB9655
Watchdog timer	1-255 steps
HW monitoring	Temperature, Voltage and Fan
Wake-on-LAN/PXE	Yes (WOL/PXE)
Power state	S3, S4, S5
On board graphics	Intel® HD 530, ref. to CPU
Graphics supports	DirectX 11.2, Open GL 4.3, Open CL 2.0

CPU Options

Celeron G3900TE	2.3 GHz 2 cores, 2 threads, CPUMark 1.850
Core i3-6100	3.7 GHz 2 cores, 4 threads, CPUMark 4.162
Core i5-6500TE	2.3 GHz 4 cores, 4 threads, CPUMark 5.044
Core i7-6700TE	2.4 GHz 4 cores, 8 threads, CPUMark 6.879

Memory and Storage

Memory	Up to 32 GB DDR3 RAM, SODIMM
Storage	Up to 1.9 TB SSD, SATA

Power supply/power consumption

AC Power	90 - 264 VAC 50-60Hz (standard)
DC Power	18 - 36 VDC (optional)
AC/DC dual power	90 - 264 VAC + 18 - 36 VDC (optional)
Consumption	60 W Typ. 80 W Max.

OS options

Windows 7	Windows 7
Windows 8	Windows 8
Windows 10	Windows 10 IoT
Linux	Ubuntu

Operator interface front panel

Power	Power on/off (press for 10 sec. to turn off)
Up	Adjust backlight up
Down	Adjust backlight down

Input/output terminals

HDMI output	1 x DVI-D, DVI-I connector
DisplayPort output	1 x DP female
Ethernet	1 x Gbit LAN, Intel I211AT
Ethernet	1 x Gbit LAN, Intel I219V
USB 3.0	4 x USB 3.0
USB 2.0	3 x USB 2.0
Audio Buzzer	1 x build-in audio buzzer (75-85 dB(A) / 1m)

Physical dimensions

Dimensions	429 (W) x 382 (H) x 86 (D) mm
Dimensions in box	620 (W) x 450 (H) x 160 (D) mm
Weight	12 kg 14 kg in box

Environmental

Operating temp.	- 15 to 55° C
Storage temp.	- 25 to 70° C
Humidity	8 to 95% relative humidity
Protection	IP65 from front - IP21 from rear
Compass SD	175 cm (stand.) 105 cm (steer.)

Options & accessories

ECDIS	Colour calibration for ECDIS applications
NMEA	4 x NMEA serial port module
Wall bracket	Pending
Table bracket	Table mount VESA bracket (07317-004)

Approvals & Certificates

CE	EN 61000-6-2 & EN 61000-6-4
Marine	IEC 60945 ed. 4 & IACS E10 rev. 8
ECDIS	IEC 61174 ed. 4
Radar Navigation	IEC 62388 ed. 2 & IEC 62288 ed. 2
Certificate	Pending

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