

## **AHD 1215 F / AHD 1219 F Panel PCs with Foil Front**



- ***Panel PCs with Foil Front and Touch Screen (AHD 1215 F)***
- ***All in one solution for quick installation – saves space and costs***
- ***Powerful PC system for enhanced performance***
- ***Can also be integrated into existing systems***
- ***Completely redeveloped***

Böning Automationstechnologie's new generation of displays expands its product range in the display category with innovative devices.

Combining increased performance and functionality in a valuable modern design, they increase operational safety and ease of operation on ship bridges. Their luminosity of up to 1400 cd/m<sup>2</sup> ensures good readability at all times, even during bright sunlight. Automatic dimming further ensures that the displays operate without glare especially when cruising at night.

Automotive components allow the displays to be used in greater temperature ranges than previous displays.

The newest-generation capacitive touch screen (available for AHD 1215 F) allows for ease of operation without compromising the visualization with visible threads. The latest display technology allows for even more brilliant colors and a markedly increased view angle.

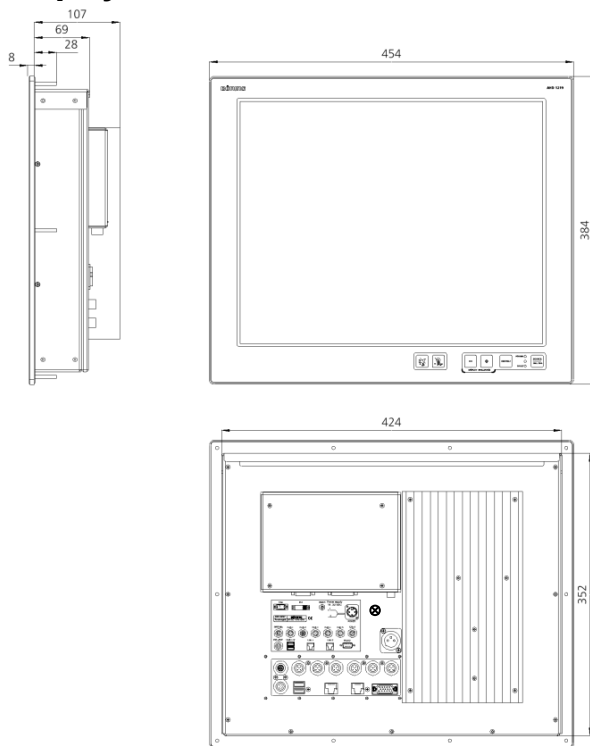
Their 24 V DC power supply makes these devices especially suitable for use on ships.

The powerful Panel PCs AHD 1219 F/AHD 1215 F allow safe and reliable operation, even in extreme conditions.

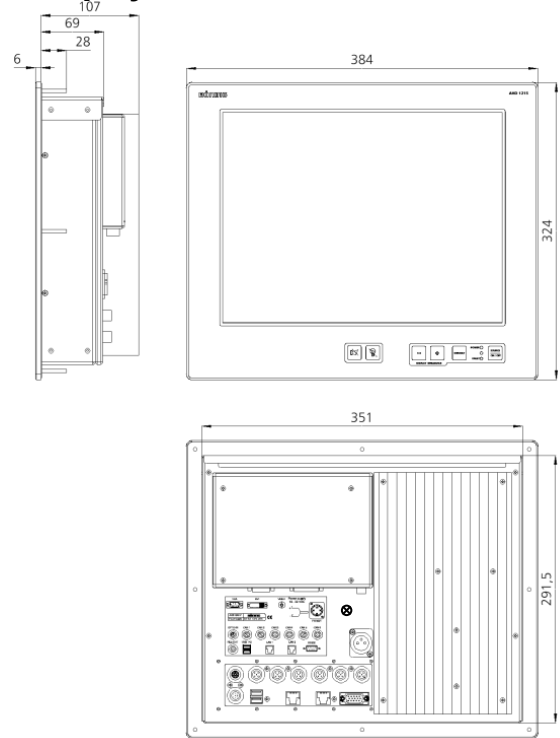
The visualization system with embedded operating system (XP Embedded) operates completely autonomously. Advantage: it requires neither firewalls nor virus scanners, and in addition, the configuration cannot be changed by accident.

These PCs were especially developed for ship building, and they are absolutely maintenance free. The elimination of mechanically movable components, such as hard disks or fans, renders the device impact resistant. The passive cooling system significantly contributes to its operational safety.

## Dimensions AHD 1219 F PC Display



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### Technical Data

#### AHD 1219 F

#### AHD 1215 F

Power supply	24 V DC (+30% / -25%)	24 V DC (+30% / -25%)
Serv. current consumption	Ca. 60 W (24 V DC)	Ca. 50 W (24 V DC)
Ambient temperature	-30°C...+55°C (-30°C...+70°C at interior console temperature of max. +45°C)	-30°C...+55°C (-30°C...+70°C at interior console temperature of max. +45°C)
Storage temperature	-30°C...+85°C	-30°C...+85°C
Weight	ca. 12 kg	ca. 10 kg
Protection class	IP 66 (front side), IP 20 (rear side)	IP 66 (front side), IP 20 (rear side)
Dimensions (mm)	454 x 384 x 107 (installation depth min. 140 mm)	384 x 324 x 107 (installation depth min. 140 mm)
Panel Cutout (mm)	427 x 357	354 x 294
Processor	1.3 GHz dual core	1.3 GHz dual core
RAM:	2 GB	2 GB
Flash Disk:	4 GB	4 GB
Interfaces	6x CAN 1x RS 232 2x LAN 2x USB	6x CAN 1x RS 232 2x LAN 2x USB
Resolution:	1280 x 1024 pixels (max., SXGA)	1024 x 768 pixels (max., SVGA)
Luminosity	1200 cd/m <sup>2</sup>	1400 cd/m <sup>2</sup>
Approvals (in progress)	GL, LR, BV, DNV, ABS, RMRS, RINA, CRS	GL, LR, BV, DNV, ABS, RMRS, RINA, CRS