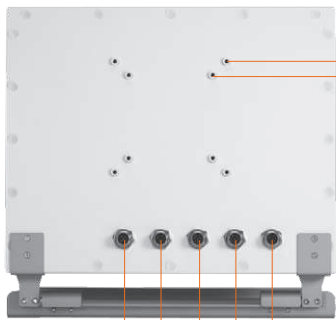


# GOT812

12.1" XGA/SVGA TFT IP66-rated Fanless  
Touch Panel Computer (-20°C ~ +55°C)



VESA 100  
VESA 75

- 1. Backlight switch
- 2. Brightness adjust
- 3. Power switch (ATX)
- 4. DC power connector
- 5. COM 1 (RS-232)
- 6. COM 2 (RS-232)
- 7. Ethernet
- 8. USB 2.0 x 2



Supports  
Intel Atom  
IP66  
Fanless  
Low Power  
Extended Temperature

## Introduction

The GOT812 is specially designed for heavy-duty & outdoor applications. Its IP66-rating stainless steel housing protects entire system from outside damage of water, powder and dust. It also outfits sunlight readable technology and wide operating temperature range of -20°C ~ +55°C. Thus, this robust unit is best suited for outdoor environments in extreme sunny or rainy day, dusty or wet spaces in food factories or kitchens and more harsh applications, such as steel factories, transformer stations and vessels.

### IP66-sealed system

The GOT812 adopts a water/dust-proof housing design and five IP66-rated connectors. It passes entire system IP66 test by SGS and verified salt mist test and marine grade by IEC60945.

### Sunlight readable design

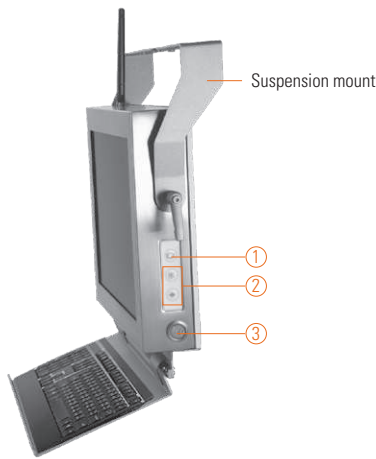
Its sunlight readable technology with LED tech high brightness 1000 nits color display and low reflective touchscreen allows the screen legible even under strong sunlight.

### Wide temp. (-20°C ~ +55°C) & anti-vibration (2G) design

The GOT812 supports wide temperature of -20°C ~ +55°C. Besides, the patent of anti-vibration for SSD ensures system reliability and stability.

## Features

- 12.1" XGA/SVGA high brightness color TFT LCD
- Fanless system with Intel® Atom™ processor N270 1.6 GHz
- Water/dust-proof design (full enclosure: IP66)
- Wide operating temperature range of -20°C ~ +55°C
- Sunlight readable design: low-reflective T/S
- Supports suspension and VESA mount
- Orientated ISO7637V-36VDC vehicle power supply (GOT812LV only)



▲ Side view

## Specifications

Front Bezel	Stainless type 316	
LCD Panel	Display Type	12.1" XGA TFT LCD (GOT812LR) 12.1" SVGA TFT LCD (GOT812L/GOT812LV)
	Brightness (cd/m <sup>2</sup> )	1000 nits (GOT812LR) 450 nits (GOT812L/GOT812LV)
	Resolution	1024 x 768 (GOT812LR) 800 x 600 (GOT812L/GOT812LV)
	Viewing Angle (H/V)	160°/140° (GOT812LR) 100°/120° (GOT812L/GOT812LV)
Main System	CPU	Intel® Atom™ processor N270 1.6 GHz
	Chipset	Intel® 945GSE + ICH7M
	System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
	BIOS	AMI with Axiomtek standard features; such as, SmartView, Ethernet Boot ROM (RPL & PXE), customer CMOS backup
	Storage	1 x 2.5" SSD 1 x CompactFlash™
	Watchdog Timer	255 levels, 1~255 sec.
	Onboard Graphics	Integrated in Intel 945GSE

## Specifications

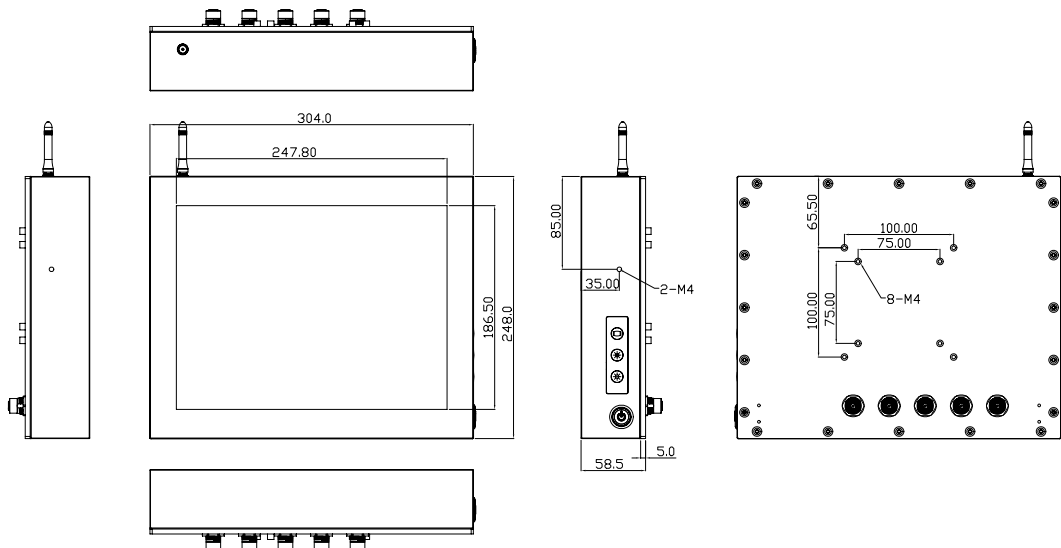
I/O Connector	2 x RS-232 (COM 1/2) 2 x USB 2.0 1 x 10/100/1000Mbps Ethernet
Expansion Interface	1 x PCIe Mini Card slot
Touchscreen	5-wire resistive low reflective type (GOT812LR) 5-wire resistive type (GOT812L/GOT812LV)
Power Supply	Power input 12VDC/24VDC; 9V~36V (GOT812LV)
Dimensions	304 mm (11.97") (W) x 58.5 mm (2.3") (D) x 248 mm (9.76") (H)
Packing Dimensions	380 mm (14.96") (W) x 190 mm (7.48") (D) x 430 mm (16.93") (H)
Weight (net/gross)	4.5 kg (9.92 lb)/6 kg (13.23 lb)
Environment	Operating temperature: -20°C ~ +55°C Storage Temperature: -30°C ~ +80°C (-22°F ~ +176°F) Relative humidity: 10% ~ 95% @ 40°C, non-condensing Operation vibration: 2G, 5 ~ 500Hz, random for 2.5" SSD 3G, 5 ~ 500Hz, random for CompactFlash™
Certification	CE/IEC60945/DNV 2.4 (compliant) (GOT812LR/GOT812L); CE/e13 (GOT-812LV)

\* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

## Optional Accessories

822B8120070E	GOT812 keyboard bracket (w/o keyboard)
822B8120080E	GOT812 suspension kit
594B8122100E	Water-proof COM port cable (1.8m)
594B8122820E	Water-proof USB cable (1.8m)
594B8122720E	Water-proof LAN cable (1.8m)
50964A23000E	72W/24V power adapter with M12 connector

## Dimensions



## Ordering Information

Vehicle type	
GOT812LV-DC (P/N: E22B812111)	12.1" IP66-rated heavy-duty vehicle touch panel computer with Intel® Atom™ N270
GOT812LV-RF-DC (P/N: E22B812112)	12.1" IP66-rated heavy-duty vehicle touch panel computer with Intel® Atom™ N270 and Wifi or 3G
Sunlight readable type	
GOT812LR-DC (P/N: E22B812102)	12.1" IP66-rated heavy-duty sunlight readable touch panel computer (1000 nits) with Intel® Atom™ N270
GOT812LR-RF-DC (P/N: E22B812112)	12.1" IP66-rated heavy-duty sunlight readable touch panel computer with Intel® Atom™ N270 and WiFi or 3G
Normal type	
GOT812L-DC (P/N: E22B812100)	12.1" IP66-rated heavy-duty touch panel computer with Intel® Atom™ N270
GOT812L-RF-DC (P/N: E22B812101)	12.1" IP66-rated heavy-duty touch panel computer with Intel® Atom™ N270 and WiFi or 3G

\* Specification and certifications are based on options and may vary.

## Optional EOS Installation

Window® XP Embedded
Window® CE.NET
Linux (GOT-812, GOT-812LR)

## Optional OS Installation

Windows® XP
Windows® 7

Overview

Industrial Panel  
Computers &  
Monitors

Heavy-duty  
Fanless Touch  
Panel Computers

Digital  
Signage  
Solutions

Healthcare  
& Medical  
Solutions

Open Frame  
Panel  
Computers

Accessories