GOT-812

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

Features

Supports Intel Atom inside | IP66 | Fanless | Low Power | Extended Temperature

- 12.1" XGA/SVGA high brightness color TFT LCD
- Water/dust-proof design (full enclosure: IP66)
- Fanless system with Intel® Atom™ processor N270
- Wide operating temperature range of -20°C ~ +55°C
- Sunlight readable design: low-reflective T/S
- Supports suspension and VESA mount
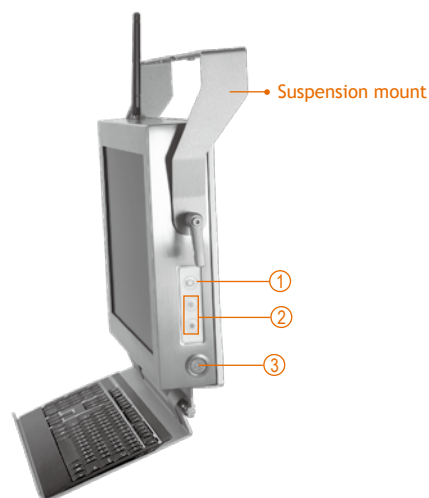
Suspension mount
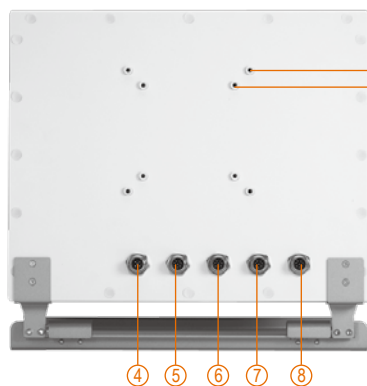
VESA 100
VESA 75

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

M12 connector

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Introduction

The GOT-812 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 GOT-812 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 GOT-812 supports wide temperature of -20°C ~ +55°C. Besides, the patent of anti-vibration for SSD ensures system reliability and stability.

Specifications

Front Bezel	Stainless type 316	
LCD Panel	Display Type	12.1" XGA TFT LCD (GOT-812LR) 12.1" SVGA TFT LCD (GOT-812L)
	Brightness (cd/m²)	1000 nits (GOT-812LR) 450 nits (GOT-812L)
	Resolution	1024 x 768 (GOT-812LR) 800 x 600 (GOT-812L)
	Viewing Angle (H/V)	160°/140° (GOT-812LR) 100°/120° (GOT-812L)
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

* All specifications and photos are subject to change without notice.

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 (GOT-812LR)
	5-wire resistive type (GOT-812L)
Power Supply	Power input 12V$_{DC}$/24V$_{DC}$
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
	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)

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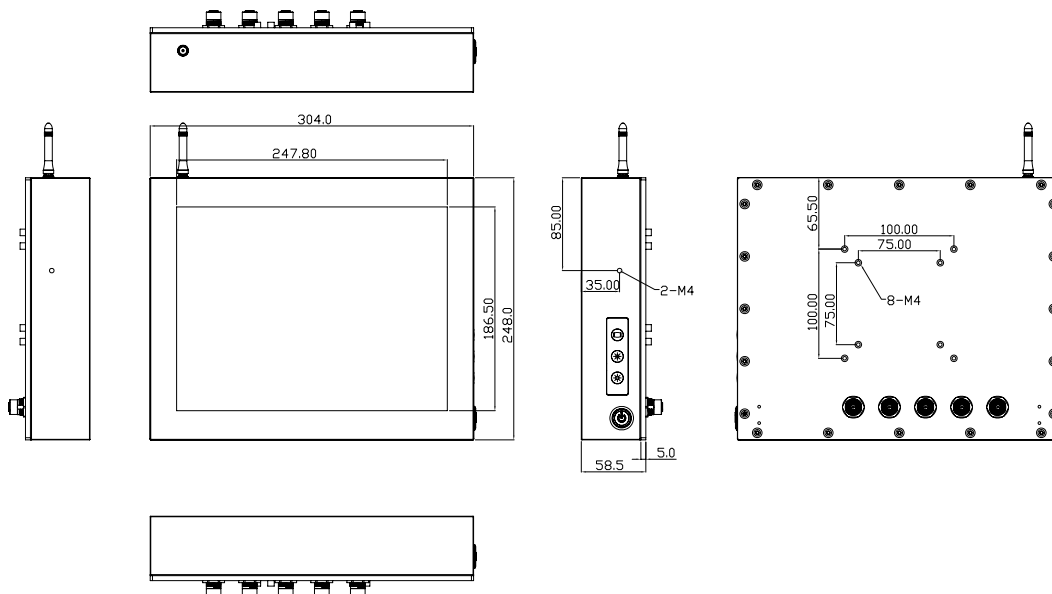
Ordering Information

Sunlight readable type

GOT-812LR (P/N: E22B812102)	12.1" IP66-rated sunlight readable touch panel computer (1000 nits) with Intel® Atom™ N270
GOT-812LR-WiFi (P/N: E22B812103)	12.1" IP66-rated sunlight readable touch panel computer (1000 nits) with Intel® Atom™ N270 and WiFi

Normal type

GOT-812L (P/N: E22B812100)	12.1" IP66-rated heavy-duty touch panel computer with Intel® Atom™ N270
GOT-812L-WiFi (P/N: E22B812101)	12.1" IP66-rated heavy-duty touch panel computer with Intel® Atom™ N270 and WiFi

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

Optional Accessories

822B8120070E	GOT-812 keyboard bracket (w/o keyboard)
822B8120080E	GOT-812 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

Optional EOS Installation

Window® XP Embedded
Window® CE.NET
Linux

Optional OS Installation

Windows® XP
Windows® 7

Dimensions

Overview

Industrial Panel Computers & Monitors

Heavy-duty Fanless Touch Panel Computers

Digital Signage Solutions

Healthcare & Medical Solutions

Open Frame Panel Computers

Accessories