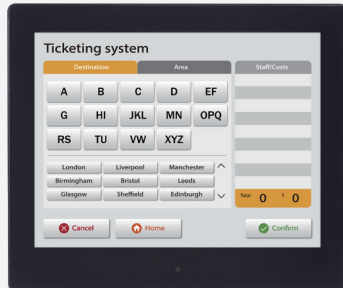


HPPC 12-10X7211



Main Features

- 12.1" ratio 4:3 1300nits sunlight readable panel
- Optical bonding with AF, AG, anti-UV & IR treatment
- Embedded light sensor for auto dimming
- Intel Atom® x7211RE processor
- 1 x DDR4 SO-DIMM, up to 32GB
- Expansion: 1 x M.2 Key M, 1 x Mini PCIe
- Support wide range power input DC 12V~24V

Product Overview

The explosive growth in IoT and edge computing has become the market trend. Powered by the Intel Atom® x7211RE processor, the HPPC 12-10X7211 offers industrial solutions that require high-performance, low-power consumption, and real-time processing in harsh environments. The HPPC 12-10X7211 features a 1300-nit G-series panel, 10-point P-CAP touchscreen, optical bonding with anti-UV and IR treatment, AF and AG surface coating, and front IP65 protection. With a built-in light sensor and smart fan control, the HPPC 12-10X7211 provides energy savings and automatic brightness dimming, helping extend the product's lifespan. The HPPC 12-10X7211 supports a 12V to 24V power input and a wide range operating temperature of -20°C to 60°C, providing an excellent user experience for semi-outdoor applications such as parking systems, recycling machines, payment machines, and more.

Specifications

Panel

- LCD size: 12.1", 4:3
- Resolution: XGA 1024x768
- Luminance
 - LCD panel: 1300cd/m2
 - XPPC P-CAP touch: 80% of panel's luminance after optical bonding
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 88 (U), 88 (D), 88 (L), 88 (R)

Touch Screen

- 10-point P-CAP (Projected Capacitive Touch)
- Optical bonding with anti-UV & IR
- Glass surface treatment: AF & AG

System

- Intel Atom® x7211RE processor (embedded)
- Intel® UHD graphics
- TPM 2.0
- Built-in light sensor board & smart fan control

Main Memory

- 1 x DDR4 SO-DIMM, non-ECC, up to 32GB

Storage Device

- 1 x M.2 Key M 2242 NVMe SSD (PCIe 3.0 x1, SATA 3.0)

Expansion

- 1 x Mini PCIe, supports 4G/Wi-Fi + BT/mSATA

I/O Interface-Rear

- 2 x 1GbE RJ45 port, Intel® i210AT
- 1 x HDMI® 2.0b, up to 3840x2160@60Hz
- 2 x USB 3.2 5Gbps, Type-A
- 2 x USB 2.0
- 1 x Power button
- 1 x 3-pin Phoenix connector for DC 12V~24V input

I/O Interface-Front

- 2 x Antenna hole
- 1 x COM port (DB9), supports RS-232/422/485
- 1 x Line out

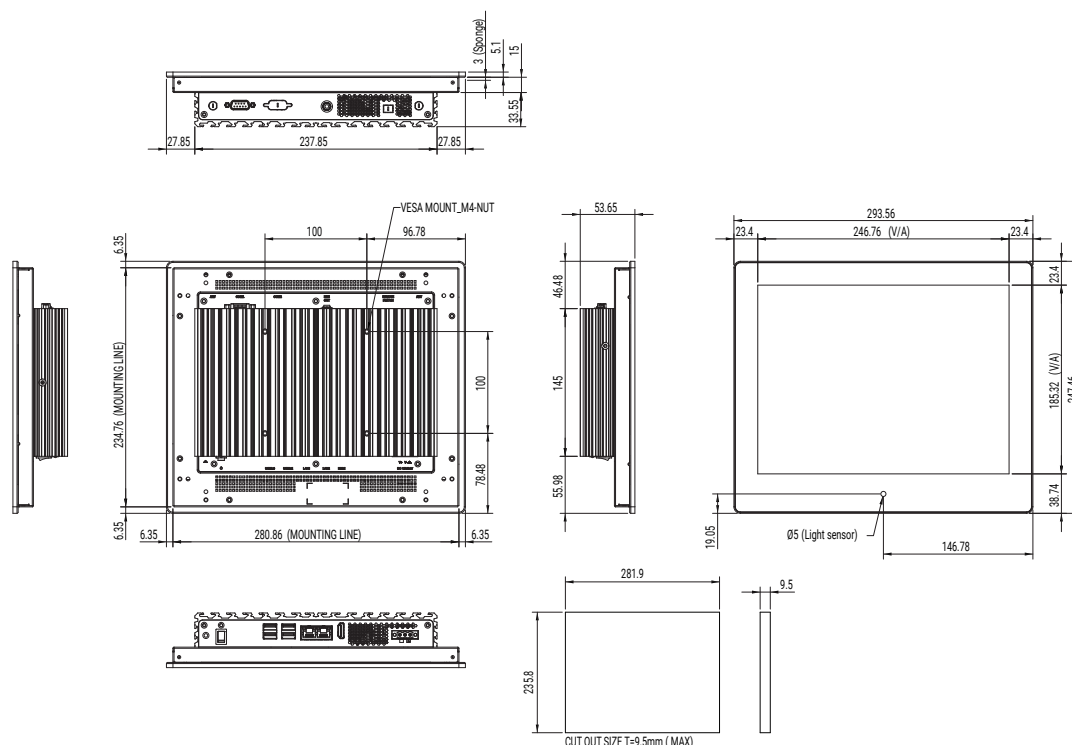
I/O Interface-Internal

- 1 x 4-pin header for USB 2.0
- 1 x 4-pin header for speaker out
- 1 x 10-pin header for RS-232
- 1 x 3-pin header for Mic in
- 1 x 3-pin header for PWR LED
- 1 x 10-pin header for 4-in & 4-out GPIO

Power requirement

- Nominal voltage: DC 12V~24V input

Dimension Drawing



Mechanical & Dimension

- Color/Material: black metal sheet
- Support VESA mount 100mm x 100mm
- Dimensions: 293.56mm (W) x 245.46mm (D) x 56.65mm (H)
- Weight: 3.08kg

Package Information

- Dimensions: 438mm (W) x 346mm (D) x 227mm (H)
- Gross weight: 4.01kg (1 unit per carton)

Environment

- Ambient with air flow: -20°C~60°C
- Storage temperature: -20°C~80°C
- Relative humidity: 10%~90% (non-condensing)
- Shock protection: 20G peak acceleration, 11ms according to IEC 60068-2-27
- Vibration protection
 - Random: 2Grms@5Hz~500Hz, IEC 60068-2-64
 - Sinusoidal: 2G@5Hz~500Hz, IEC 60068-2-6

Certifications

- CE (EN 55035 + EN 55032)
- FCC Class A (EMI Part 15B)
- LVD (EN 62368-1)

Operating System

- Windows 11
- Windows 10, 64-bit
- Linux

Ordering Information

• HPPC 12-10X7211 (P/N:10W60HPPC01X0)

12.1" TFT 1300 nits panel PC, P-CAP, optical bonding, w/ XPPB-10X7211

• Panel mount kit (P/N: 5061711301X00)

Panel Mount BKT for XPPC24-100 SIN SUPER CIRCLE 30x20x6mm SECC T=1.6mm