01 Product Overview

Vibration | Shock | Dust/Oil | ESD | EMI | Moisture | IP65



The UTC-S1572O-RFID is a 15-inch industrial touch panel PC with integrated RFID identification and customizable keys, designed for industrial on-site identity verification, access management, device login, data acquisition, and unattended applications. The unit features a 15-inch 4:3 XGA industrial display with P-CAP 10-point capacitive touch and an IP65-rated front panel. Powered by an Intel® Celeron® J6412 processor and equipped with rich industrial interfaces, it meets the needs of factory automation, warehouse logistics, access control, device identification, and production traceability, making it a reliable solution for digital industrial deployments.

Features

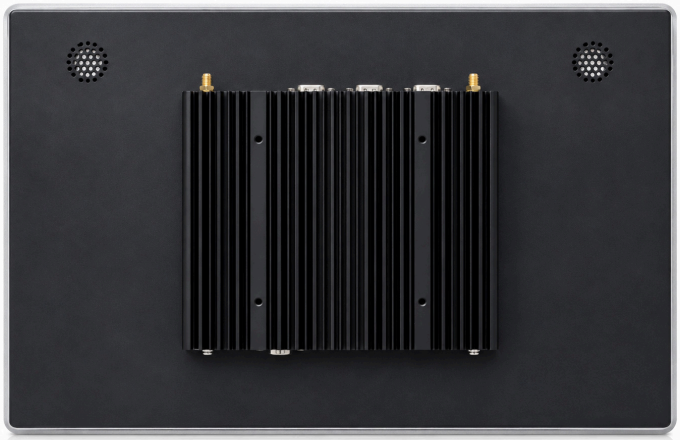
FlexCore | SafeCore | P-CAP | Fanless | Dual LAN | Wi-Fi | RFID | USB 3.0 | HDMI | VGA | RS-232 | RS-485 | TPM 2.0

Key Features

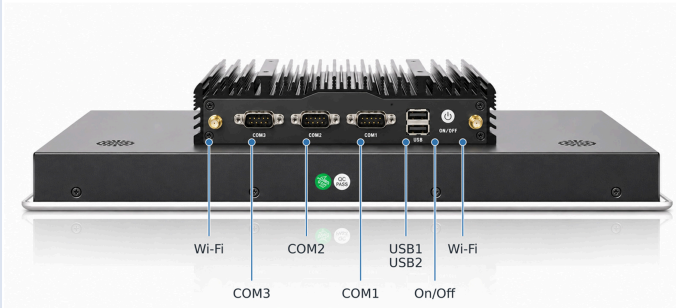
- ★ Display: 15-inch 4:3 industrial-grade XGA TFT LCD, resolution 1024 × 768, suitable for device-side HMI display and information interaction.
- ★ Touch: P-CAP 10-point capacitive touch, responsive and smooth operation, front panel protection rating IP65.
- ★ Core: Equipped with Intel® Celeron® J6412 embedded 4-core processor, economical low power consumption, stable and reliable;
- ★ Network: Dual Gigabit Ethernet ports ensure high-speed and stable industrial network communication;
- ★ Interfaces: Provides 2× USB 3.0, 4× USB 2.0, 2× RS-232, 1× RS-485 and other industrial interfaces to meet multi-device access requirements.
- ★ RFID: Integrated RFID identification function, suitable for personnel access management, material tracking, device login, and production process identification applications.
- ★ Front customizable keys: One-key shortcut operation, adapted to industrial scenarios, programmable configuration.
- ★ Expansion: Supports Mini PCIe expansion, optional Wi-Fi, Bluetooth, 4G/5G communication modules to adapt to different networking needs.
- ★ Architecture: Based on FlexCore™ modular design, balancing interface expansion, configuration reuse, and project customization.
- ★ Reliability: FANLESS fanless cooling, reliable and stable, maintenance-free design;
- ★ Structure: 6061 high-strength aluminum alloy + sheet metal structure, industrial-grade rugged chassis, front panel protection rating IP65.

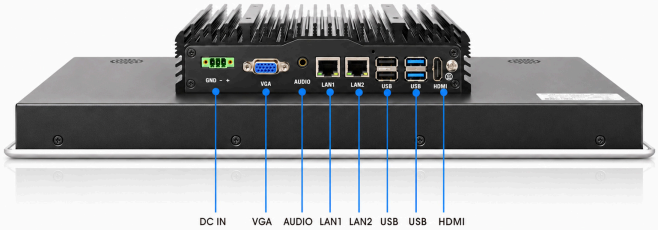
02 Product Images





03 I/O Interface





04 Technical Specifications

• Touch & Display

Parameter	Specification
Display Size	15" (4:3)
Display Type	XGA TFT LCD
Resolution	1024 × 768
Colors	16.2M
Brightness	350 cd/m²
Contrast Ratio	500:1
Backlight Life	50,000 hrs
Touch Method	Projected capacitive touch (P-CAP), 10-point
Touch Protection	IP65 (front panel)

Core Hardware

Parameter	Specification
Processor	Intel® Celeron® J6412
Cores	4
Threads	4
Frequency	2.0~2.6 GHz
Cache	4 MB L3 Cache, 1.5 MB L2 Cache
TDP	10W
Graphics	Intel UHD Graphics 32EU
Memory	DDR4 4~32 GB
Storage	1× mSATA SSD

I/O Interfaces

Parameter	Specification
USB 2.0	4 × USB 2.0
USB 3.0	2× USB 3.0
RS-232	2 × RS232
RS-485	1 × RS485
VGA	1 × VGA
HDMI	1 × HDMI
Gigabit Ethernet	2 × LAN
Audio	1 × 3.5mm TRRS
Wi-Fi (optional)	Dual-band 2.4G/5G wireless card
4G/5G (optional)	4G/5G LTE full network (optional)
Speaker	Built-in 2 × Speaker

Power Input

Parameter	Specification
Power Connector	1× 3-pin pluggable terminal block, supports 9~36V DC wide voltage input
ATX Switch	1× ATX power switch
Boot Mode	AT/ATX mode switch (built-in)

Product Attributes

Parameter	Specification
Dimensions	436 (L) × 282 (W) × 80.2 (H) mm
Mounting Dimensions	417.9 (L) × 266.8 (W) mm (chassis embedding dimensions; add 2mm to each side of panel cutout)
Weight	4.5 KG net weight
Chassis Material	6061 high-strength aluminum alloy
Mechanical Structure	Aluminum extrusion + sheet metal structure
Mounting	Panel mount / Wall mount / Desktop stand / VESA 100×100 mm
Reset Switch	1× reset switch
TPM	TPM 2.0
Watchdog	—
MTBF	60,000 hrs

Operating Environment

Parameter	Specification
Operating Temp.	0~60℃ (wide temp. -40~80℃ optional)
Storage Temp.	-10~70℃ (wide temp. -40~80℃ optional)
Humidity	10%~90%, non-condensing
EMC	CE, FCC (EN 55032 & EN 55035)
EMC Harmonics	EN IEC 61000-3-2

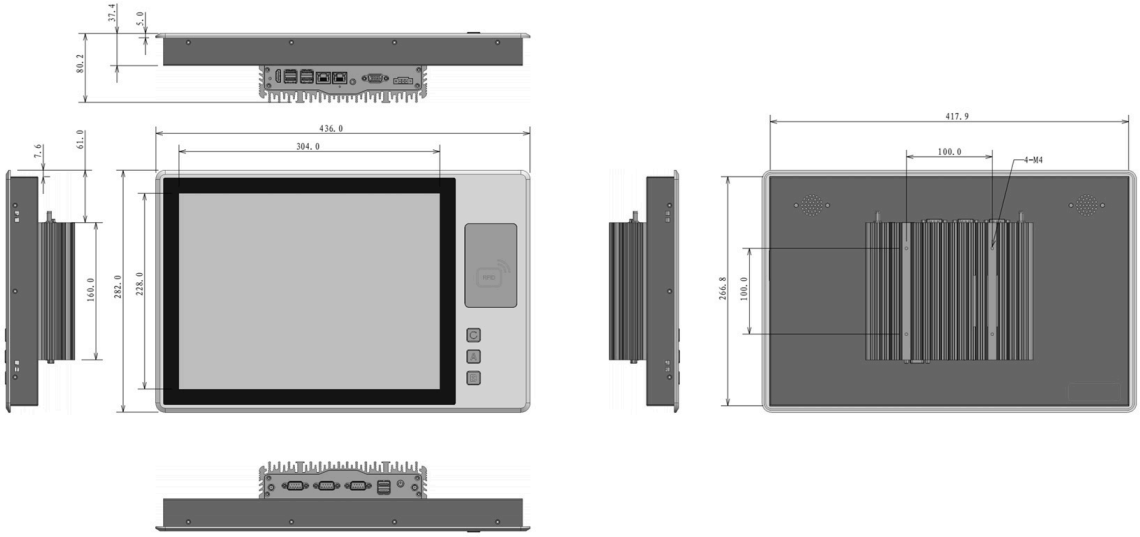
Operating System

Parameter	Specification
Windows	Windows 7 / Windows 10 / Windows 11
Linux	Ubuntu 16.04 / 18.04 / 20.04 / 22.04

Certifications & Compliance

Parameter	Specification
Factory Cert.	ISO9001: 2015
BIOS Customization	BIOS / Boot LOGO / OEM

05 Mechanical Dimensions



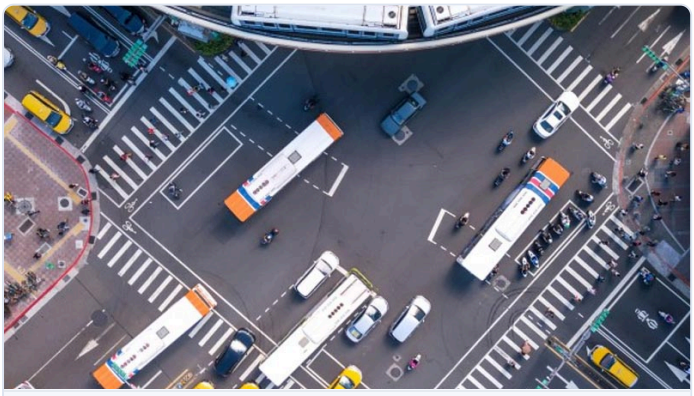
06 Applications



Industrial Equipment Control



Data Acquisition



Transportation



Energy

07 Ordering Information

NO.	Model	Part No.	Processor	Memory	Storage
1	UTC-S1572O-RFID	C9.02.04.012	Intel® Celeron® J6412	8GB DDR4	SSD 128GB

※ Note: Due to market fluctuations, key chips such as CPU models, memory, and hard drives may change; please consult company sales for details.

※ Specifications subject to change without notice. Data measured under standard test conditions.
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