C-UNO-2173A/AF-ACP

High Performance ACP Thin Client

Features

- Onboard Intel® Atom™ N270 1.6 GHz processor
- 1 or 2 x 10/100/1000 Base-T RJ-45 port
- 2 or 4 x USB 2.0 ports
- Onboard system status LED indicators
- Front-accessible CF slot
- Supports Boot from LAN function
- Fanless design with no internal cabling
- Isolation between chassis and power ground
- Supports wide operating temperatures from -20 ~ 70° C
- IP40 ingress protection

Introduction

UNO-2173A and UNO-2173AF are Embedded Automation Computers equipped with Intel® Atom™ 1.6 GHz CPUs, Gigabit Ethernet ports, rich I/O. Both products have Energy Star certification, IP40 anti-dust ingress protection and wide operating temperatures (-20 ~ 70° C), providing high performance and high versatility with low power consumption. The UNO-2173A and UNO-2173AF are economic new computing platforms for manufacturing executing systems, facility automation, in-vehicle, and industrial thin client applications.

Specifications

General

Certifications	Energy Star, CE, FCC class A, UL, CCC
Dimensions (W x D x H)	255 x 152 x 59 mm (10" x 6.0" x 2.3")
Enclosure	Aluminum +SECC
Mounting	Wallmount, DIN-rail, VESA
Industrial Grounding	Isolation between chassis and power ground
Power Consumption	15 W (Typical)
Power Requirements	9 ~ 36 V_{DC} (e.g +24 V @ 1.5 A) (Min. 36 W), ATX
Weight	2.5 kg
System Design	Fanless design with no internal cabling

System Hardware

CPU	Intel Atom 1.6 GHz (N270)
Memory	1 GB DDR2 SDRAM built-in
Indicators	LEDs for Power, CF, LAN (Active, Status), Serial (Tx, Rx)
Keyboard/Mouse	1 x PS/2
Display	DB15 VGA connector, 1920 x 1440 LVDS with backlight control (C-UNO-2173AF-ACP)
Watchdog Timer	Programmable 256 levels timer interval, from 1 to 255 sec

I/O Interface

Serial Ports	C-UNO-2173A-ACP: 2 x RS-232 C-UNO-2173AF-ACP: 2 x RS-232, 1 x RS-422/485
Serial Port Speed	50 ~ 115.2 kbps
LAN	2 x 10/100/1000 Base-T RJ-45 port (Built-in boot ROM in flash BIOS) (One LAN port in C-UNO-2173A-ACP)
USB Ports	4 x USB 2.0 (2 ports on C-UNO-2173A-ACP only)
Audio	5.1 channel HD audio (C-UNO-2173AF-ACP only)

Environment

Humidity	95% @ 40° C (non-condensing)
Operating Temperature	IEC 60068-2-2 with 100% CPU/ I/O loading
	-20 ~ 70° C (-4 ~ 158° F)
Ingress Protection	IP40
Shock Protection	IEC 68 2-27
	CompactFlash: 50 G @ wall mount, half sine, 11 ms HDD: 20 G @ wall mount, half sine, 11 ms
Vibration Protection	IEC 68 2-64 (Random 1 Oct./min, 1hr/axis.) CompactFlash: 5 Grms @ 5 ~ 500 Hz, HDD: 1 Grms @ 5 ~ 500 Hz

Ordering Information

C-UNO-2173A-ACP	Atom 1.6 GHz Thin Client with LAN
C-UNO-2173AF-ACP	Atom 1.6 GHz Thin Client with 2 x LAN

Accessories

PWR-247	Optional Power Supply
PWR-242-A	Optional Power Supply