ESRP-CMS-UNO2372

ThinManager Ready Small-Size Embedded Thin Client with Intel® Celeron® J3455



Features

- Verified with ThinManager, ThinManager BIOS enabled
- 2 simultaneous, independent multi-monitor digital video ports: 1 x HDMI, 1 x Display Port, 2 x GbE, 4 x USB 3.0, 4 x RS-232/422/485
- Comprehensive palm, small, regular-size form-factor
- Compact fanless design

* Note: ESRP-CMS-UNO2372 only served as a Thin Client; the ThinManager Server License is not included.

Introduction

Advantech ThinManager compatible industrial thin clients exclusively integrate with ThinManager® software and are verified for ThinManager distributed applications. The thin clients are used to display content delivered from a remote ThinManager server. Multiple thin clients set up across the plant or facility with various roles and all maintained by the ThinManager server. All content remains on the server so downtime is reduced in the event of a failure. ESRP-CMS-UNO2372 is Small-Size Embedded Thin Client with Intel® Celeron® J3455 and dual displays (HDMI *1, DP*1).

Specifications

General

- **Certification** CE, FCC, UL, CCC, BSMI
- **Dimensions (W x D x H)** 190 x 107 x 47 mm (7.5" x 4.2" x 1.8")
- **Form Factor** Small size
- **Enclosure** Aluminum housing
- **Mounting** Stand, wall, VESA (optional), DIN rail (optional)
- **Weight (Net)** 1.0kg (2.2lbs)
- **Power Requirement** 10 ~ 36 V_{DC}
- **Power Consumption** 18.36W (typical)

System Hardware

- **BIOS** ThinManager BIOS enabled
- **Processor** Intel® Celeron® J3455E quad-core, 1.5 GHz
- **Memory** Built-in 4 GB DDR3L, 1866 MHz
- **Graphics Engine** Intel® HD Graphics 500
- **Ethernet** Intel® i210 GbE, 802.3Qav, 802.1AS, 802.3az
- **LED Indicators** Power, RTC battery, LAN (active, status), and HDD

I/O Interfaces

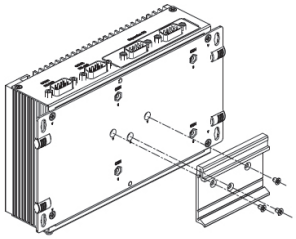
- **Serial Ports** 4 x RS-232/422/485, DB9, 50 ~ 115.2kbps
- **LAN Ports** 2 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet
- **USB Ports** 4 x USB 3.0
- **Displays** 1 x HDMI 1.4b (3840 x 2160 @30 Hz)
  1 x DP 1.2 (3840 x 2160 @60 Hz)
- **Power Connector** 1 x 2 pins, terminal block

Environment

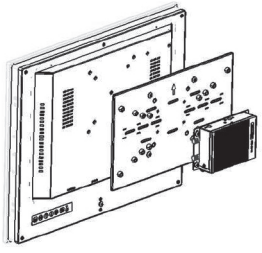
- **Operating Temperature** -20 ~ 60 °C/-4 ~ 140 °F @ 5 ~ 85% RH with 0.7m/s airflow
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- **Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11ms
- **Vibration Protection** Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz, 1hr/axis
- **Ingress Protection** IP40

Installation Scenario

DIN-Rail Mount Illustration



VESA Mount Illustration



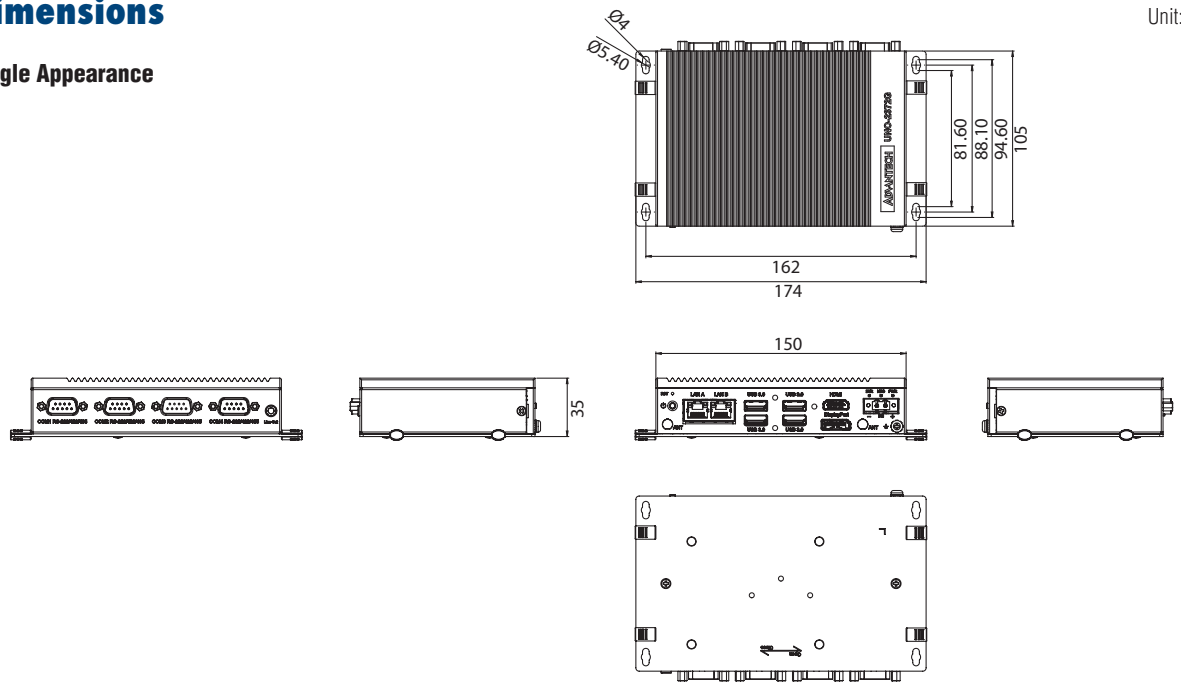
THINMANAGER
A Rockwell Automation Technology

All product specifications are subject to change without notice.

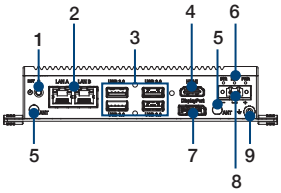
Dimensions

Unit: mm

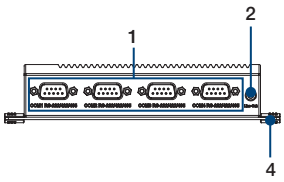
Single Appearance



IO Side



1. Power button
2. RJ45 LAN
3. USB 3.0
4. HDMI
5. Reserved antenna
6. Power, Battery, HDD LEDs
7. DisplayPort
8. Power connector
9. Chassis grounding



1. RS-232/422/485
2. Line-out
3. iDoor expansion slot
4. Rubber stopper

Ordering Information

- **ESRP-CMS-UNO2372** ThinManager Ready Small-Size Embedded Thin Client with Intel® Celeron® J3455

Optional Accessories

- **96PSA-A60W24T2-3** A/D 100 ~ 240V 60W 24V C14 cord end terminal power adapter
- **1702002600** Power cable, US plug, 1.8 m (industrial grade)
- **1702002605** Power cable, EU plug, 1.8 m (industrial grade)
- **1702031801** Power cable, UK plug, 1.8 m (industrial grade)
- **1700000596** Power cable, China/Australia plug, 1.8 m (industrial grade)
- **UNO-2000G-DMKAE** UNO-2000 DIN-rail kit
- **UNO-2000G-VMKAE** UNO-2000 VESA mount kit
- **UNO-2000-LKAE** Cable locking kit, 10 units per pack
- **UNO-REPWR-AE** Remote power and reset control kit for UNO