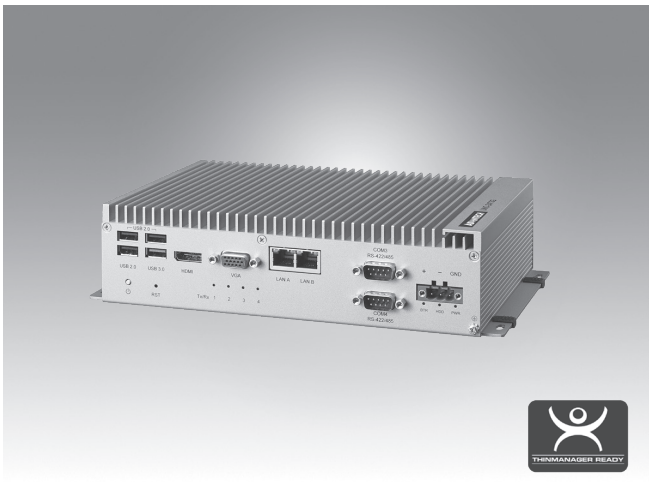
ESRP-CMS-UNO2473

ThinManager Ready Industrial Automation Thin Client with Intel® Celeron® J1900



Features

- Verified with ThinManager, ThinManager BIOS enabled
- 2 x simultaneous, independent multi-monitor video ports: 1 x VGA, 1 x HDMI
- Compact with fanless design
- Fault-protected RS-485 transceivers with extended common-mode range

* Note: ESRP-CMS-UNO2473 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-UNO2473 is ThinManager Ready Industrial Automation Thin Client with Intel® Celeron® J1900 and dual displays (HDMI*1, VGA*1).

Specifications

General

- **Certification** CE, FCC, UL, CCC, BSMI
- **Dimensions (W x D x H)** 252 x 149 x 62 mm (9.9" x 5.9" x 2.4")
- **Form Factor** Regular size
- **Enclosure** Aluminum housing
- **Mounting** Stand, wall, VESA (optional), din-rail (optional)
- **Weight (Net)** 1.6kg (3.5lbs)
- **Power Requirements** $24V_{DC}$ ± 20%
- **Power Consumption** 10W (Typical), 14W(Max)

System Hardware

- **BIOS** ThinManager BIOS enabled
- **Processor** Intel® Celeron® processor J1900 2.42 GHz Quad Core, 2MB L2
- **System Chip** Intel Celeron J1900 processor SoC integrated
- **Memory** 4GB DDR3L 1333 MHz
- **Graphics Engine** Intel® HD Graphics: Gen7 with 4EU
- **Ethernet** Intel® i210-IT GbE, 802.1Qav, IEEE1588/802.1AS, 802.3az
- **LED Indicators** LEDs for power, battery, LAN (active, status)

I/O Interfaces

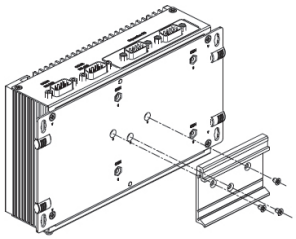
- **Serial Ports** 2 x RS-232, DB9, 50 ~ 115.2kbps, 2 x 232/422/485, DB9, auto flow control, 50 ~ 115.2kbps
- **LAN Ports** 2 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000Base-T Fast Ethernet
- **USB Ports** 4 x USB 2.0, 1 x USB 3.0
- **Displays** 1 x VGA, supports 2048 x 1536 at 60Hz
1 x HDMI, supports 1920 x 1080 at 60Hz
- **Audio** Line-In
- **Power Connector** 1 x 3 pins, terminal block
- **Grounding Protection** Chassis grounding

Environment

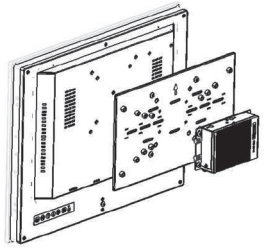
- **Operating Temperature** - 10 ~ 60°C (14 ~ 140°F) @ 5 ~ 85% RH with 0.7m/s airflow
- **Storage Temperature** - 40 ~ 85°C (-40 ~ 185°F)
- **Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- **Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11ms
- **Vibration Protection** Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz, 1hr/axis
- **Ingress Protection** IP40

Installation Scenario

DIN-Rail Mount Illustration

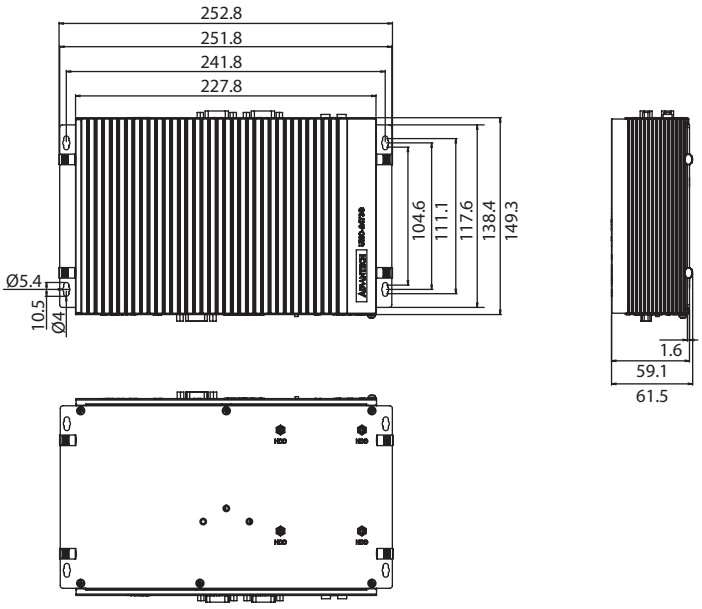


VESA Mount Illustration

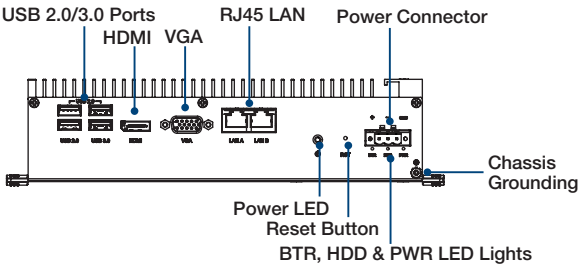


Dimensions

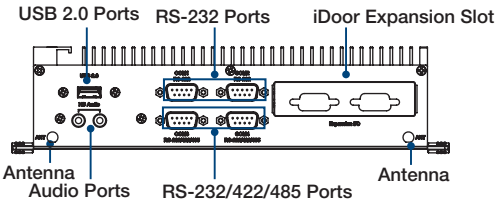
Unit: mm



Front I/O View



Rear I/O View



Ordering Information

- **ESRP-CMS-UNO2473** ThinManager Ready Industrial Automation Thin Client with Intel® Celeron® J1900

Optional Accessories

- **96PSA-A60W24T2** A/D Power adapter 100-240V 60W 24V
- **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

Monitor Cabling Accessories

***Available in America**

- **XACP-10DP-DPHM-10** DisplayPort to HDMI Cable, 10ft
- **XACP-10DP-DPDVI-10** DisplayPort to DVI Cable, 10ft
- **XACP-10HM-15128-03** HDMI to DVI Cable, 10ft
- **XACP-10DP-DPDP-10** DisplayPort to DisplayPort Cable, 10ft
- **XACP-10HM-128V4-10** HDMI to HDMI Cable, 10ft