ESRP-CMS-UNO1372GH

ThinManager Ready Explosion-Proof DIN-Rail Thin Client with Intel® Atom™ E3845



Features

- Verified with ThinManager, ThinManager BIOS enabled
- 4th Generation Intel® Celeron® J1900 Processor 2.42 GHz with 4GB DDR3L Memory
- UL listed for Hazardous Locations: Class I, Division 2
- Dual Power Input for Avoiding Power Down Time
- 2 x simultaneous, independent multi-monitor video ports: 1 x VGA, 1 x HDMI

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-UNO1372GH is ThinManager Ready Explosion-Proof DIN-Rail Thin Client with Intel® Atom™ E3845 and dual displays (HDMI*1, VGA*1). Also, it is UL listed for Hazardous Locations with Class I, Division 2, groups A, B, C, D T4A certification to be safely operated in the hazardous location where the devices are under potential danger from flammable gases, combustible dust or ignitable fibers and explosions.

Specifications

General

Certification	CE, FCC, UL, CCC, BSMI Class I, Division 2, Groups A,B,C,D, Hazardous Location, Temperature code: T4A, Ambient Temperature Range: -20°C - 60°C
Dimensions (W x D x H)	85 x 139 x 152 mm (3.3" x 5.5" x 6.0")
Form Factor	Small Size
Enclosure	Aluminum Housing
Mounting	DIN-rail, Wallmount
Weight (Net)	1.6kg (3.5lbs)
Power Requirement	9~36V_{DC} (Recommend 12/24 V_{DC})
Power Consumption	24W (Typical), 50W (Max)

System Hardware

BIOS	ThinManager BIOS enabled
Watchdog Timer	Programmable 255 levels timer interval, from 1 to 255 sec
Processor	Intel Atom E3845 1.91GHz, 2MB L2 Cache
System Chip	Integrated Intel SoC Chipset
Memory	Built-in 4GB DDR3L 1333 MHz (Up to 8GB)
Graphics Engine	Intel® HD Graphics
Ethernet	LAN A, B: Intel® i210-IT GbE, 802.1Qav, 802.1AS, 802.3az LAN C: Realtek RTL8111E GbE
LED Indicators	LEDs for Power, battery, LAN (Active, Status), COM (Tx/ Rx), HDD and Programmable LED
	1 x mSATA

I/O Interfaces

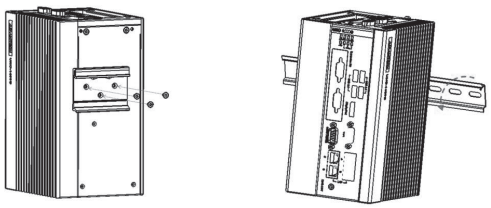
Serial Ports	1 x RS-232, DB9, 50~115.2kbps 1 x RS-422/485, DB9, auto flow control, 50~115.2kbps
LAN Ports	3 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet
USB Ports	3 x USB Ports (2 x USB2.0, 1 x USB 3.0)
Isolated DIO	4-ch digital input, 4-ch digital output (2500 V_{DC})
Displays	1 x VGA, supports 1920 x 1080 @ 60Hz 24bpp 1 x HDMI 1.4a, supports 1920 x 1080 @ 60Hz 24bpp
Audio	Line-Out
Power Connector	1 x 4 Pins, Terminal Block to support dual power input

Environment

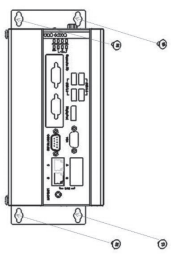
Operating Temperature	- 20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7m/s airflow (Industry SSD)
Storage Temperature	- 40 ~ 85°C (-40 ~ 185°F)
Relative Humidity	95% RH @ 40°C, non-condensing
Shock Protection	Operating, IEC 60068-2-27, 50G, half sine, 11ms
Vibration Protection	Operating, IEC 60068-2-64,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

Installation Scenario

DIN-rail mounting illustration



Wall mounting illustration



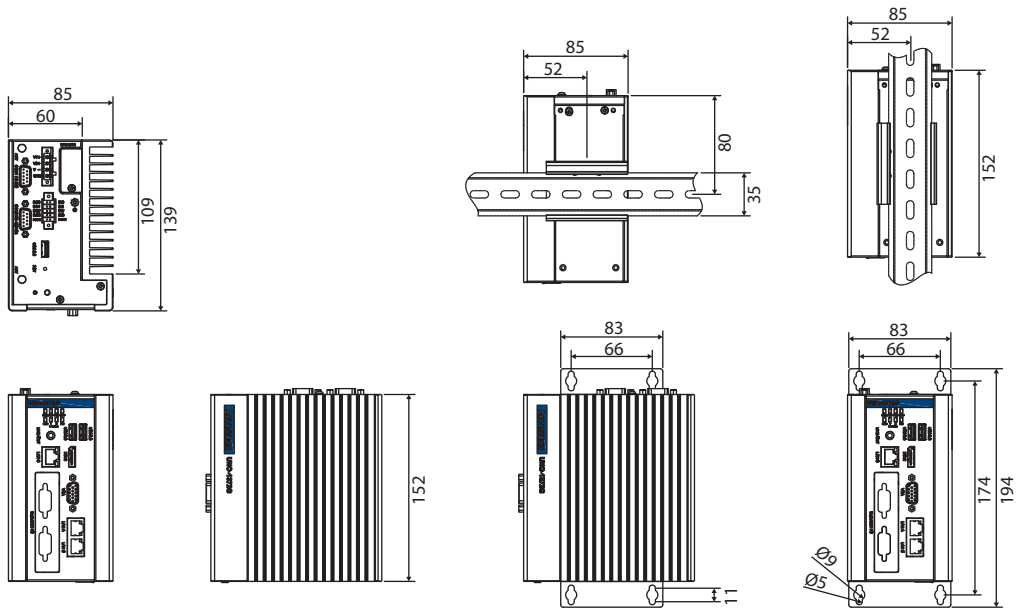
THINMANAGER
A Rockwell Automation Technology

All product specifications are subject to change without notice.

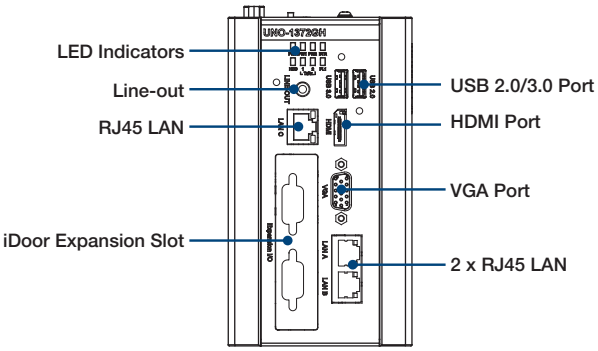
Last updated: 2-May-2023

Dimensions

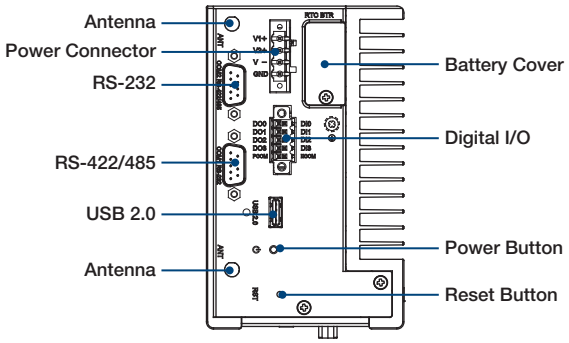
Unit: mm



Front I/O View



Top I/O View



Ordering Information

- **ESRP-CMS-UNO1372GH** ThinManager Ready Explosion-Proof DIN-Rail Thin Client with Intel® Atom™ E3845

Optional Accessories

- **PWR-247-CE** ADP A/D 100-240V 60W 24V (Commercial Grade)
- **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-IPS2460-AE** 24 V_{DC}/ 60 Watts DIN-Rail Power Supply