

R12IE3S-CHM2WT

12.1" Intel® Celeron® N6211 Chassis Wide Temperature Panel PC



KEY FEATURES

- 12.1" TFT LCD
- Intel® Celeron® Elkhart Lake N6211 Processor
- 1 x SO-DIMM, max. 16GB DDR4
- 2 x Gigabit Ethernet
- Supports 2 x SATA III, 4 x COM, 2 x USB 3.2 Gen 2x1, 4 x USB 2.0
- Front IP65
- Wide Temperature Chassis Panel PC

INTRODUCTION

Winmate Chassis Panel PC Series offers robust and versatile solutions for industrial applications, available in sizes from 7" to 24". Designed for reliability, these PCs feature a wide range of operating systems, advanced display interfaces, and front IP65 protection. With multiple I/O options, support for DP, HDMI, LVDS, and eDP interfaces, and flexible storage configurations, they are ideal for control rooms, kiosks, and factory automation. The rugged design and wide operating temperature range ensure durability in challenging environments.

SPECIFICATIONS

Display

Resolution	1024x768	Size	12.1 inches
Contrast Ratio	1000:1	Panel Brightness	500.0 nits
View Angles	89,89,89,89	Active Area	245.76x184.32 mm
Touch / Glass	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)		

System Specification

WLAN	Support (Optional)	BT	Support (Optional)
Processor	Intel® Celeron® N6211 (up to 3.0GHz)	Memory	4GB(Default) (Default) 8GB (Optional) 16GB (Optional)
Storage	128GB SSD(Default) (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB (Optional) 2TB 1 x SATA III for 2.5" SSD/HDD (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)

Mechanical

Dimension	303 x 217 x 60 mm	Weight	3.5 kg
Mounting	VESA mount	Enclosure	Metal Housing

Cooling System Fanless Design

Environment

Operating Humidity	30% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-25°C to 65°C		

Certification

Certification CE, FCC

IO Ports

Power Input	1 x 12V DC, 2.5φ DC jack	USB Port	2 x USB3.2 Gen2x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x HDMI 2.0 (Optional)
Audio	2 x Speaker	Expansion Port	1 x M.2 2242 B-Key Slot (for SATA III SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module)
LAN	2 x 2.5 Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage
Brightness Knob	1 x Brightness Adjustment Knob		

Control

Button 1 x Power Button
1 x Reset Button

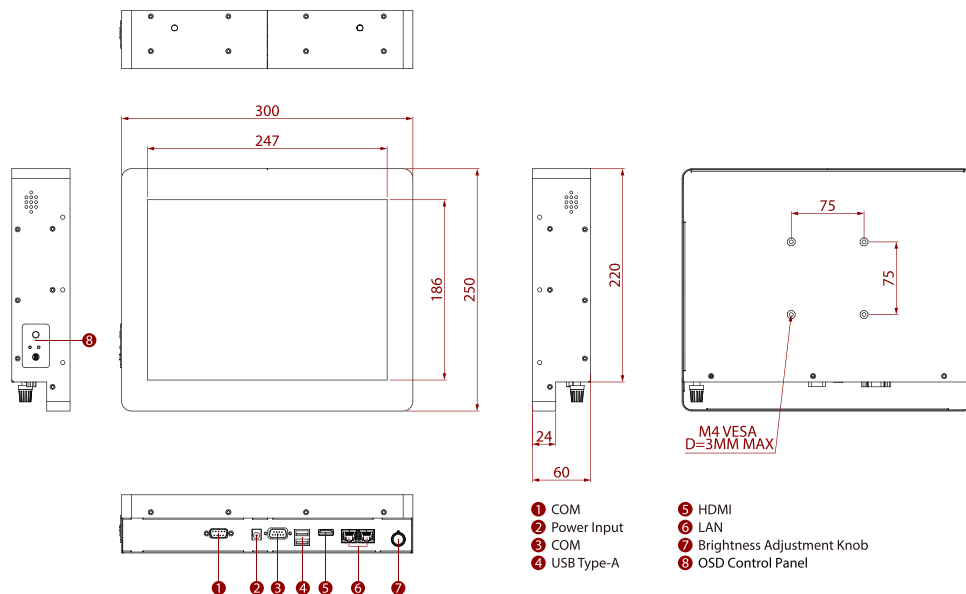
Accessory

Accessory 100~240V AC to DC Adapter
Power Cord
VESA screws

Power

Power Rating 12V DC Adapter 12V 50W

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.