

IE32S

Intel® Celeron® N6211 x86 Embedded Motherboard



KEY FEATURES

- 3.5" Form Factor (146mm x 102mm / 5.7 x 4 inches)
- Intel® Celeron® Elkhart Lake N6211 Processor
- 1 x DDR4 SO-DIMM 3200 MHz, max. 16GB
- Intel® UHD Graphics 10th Gen
- 2 x 2.5 Gbps Ethernet, one with PoE function on
- 2 x USB 3.2 Gen 2x1, 1 x RS232/422/485, 1 x Micro HDMI(Optional)
- Support M.2 B-Key 2242 SATA III SSD, max. 512GB

INTRODUCTION

Winmate x86 Embedded Board Series combines compact design with powerful performance, featuring multiple advanced processor options. Designed with industrial-grade components, advanced and versatile customization capabilities, this Embedded Board ensures reliable operation in harsh environments with a wide power input range of 9-36V and extended temperature tolerance (-40 to +85°C). Ideal for space-constrained industrial applications, they deliver seamless integration and optimized performance.

SPECIFICATIONS

System Specification

WLAN	Support (Optional)	BT	Support (Optional)
Processor	Intel® Celeron® N6211 (up to 3.0GHz)	Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional)
Storage	1 x M.2 2242 B-Key SSD 128GB 256GB (Optional) 512GB (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)

IO Ports

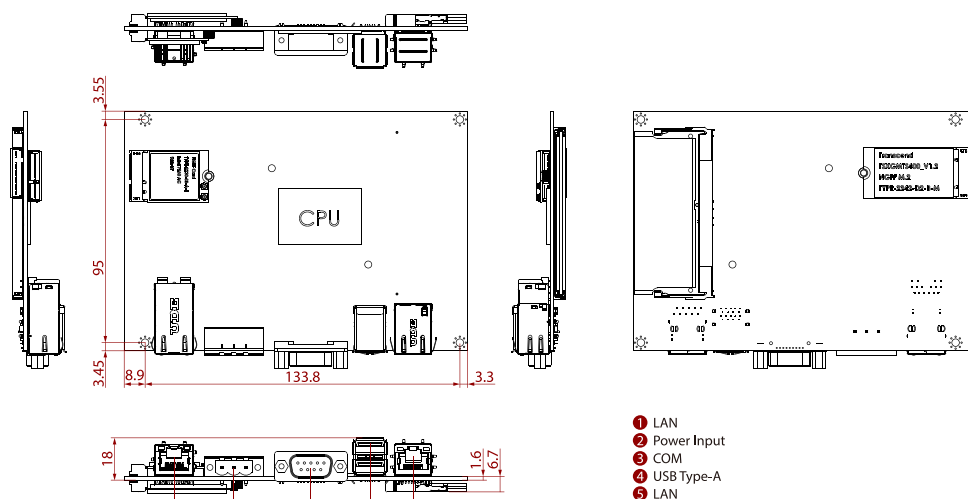
Power Input	1 x 12V DC, 3-Pin Terminal Block	USB Port	2 x USB3.2 Gen2x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)	Video	1 x Micro HDMI (Optional)
Expansion Port	1 x M.2 2242 B-Key Slot (for SATA III SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module)	LAN	2 x 2.5 Giga LAN RJ45 Connector, one with PoE(PD, 802.3 at)(Optional)

Internal IO Ports

Power input	1 x 3pin Terminal Block	Power output	1 x 2pin(1x2) red wafer for 5V DC out
USB	2 x 8pin(2x4) for 4 x USB 2.0 1 x FPC connector(CN8) for touch screen	UART	1 x 6pin(1x6) for UART
Display	1 x 40pin DF13 connector for LVDS.Co-lay for eDP 1 x 40pin FPC connector Co-lay for LVDS(CON3) (Optional)	Backlight	1 x 7pin(1x7) for panel backlight
DIDO	1 x 14pin(2x7) for Digital input/output	VR	1 x 5pin(1x5) MCU debug port

OSD	1 x 10pin(2x5) for OSD control	Speaker	2 x 2pin(1x2) for Speaker
Backup battery	1 x 2pin(1x2) for RTC battery	Audio	1 x 12pin(2x6) for Line in/Line out/ Mic in
Certification			
Certification	CE, FCC		
Mechanical			
Dimension	146 x 102 mm		
Environment			
Operating Humidity	10% to 95% RH, Non-Condensing	Operating Temperature	0°C to 60°C
Storage Temperature	-40°C to 70°C		
Accessory			
Accessory	1 x Installation Guide	Optional Accessory	1 x SATA cable (94H007Z070K0) (Optional) 1 x SATA Power cable (94HE08Z150E0) (Optional) 1 x COM cable (94G309E100E1) (Optional) 1 x 2-Port USB 2.0 Type A cable (94E808E080K0) (Optional) 1 x 12V 84W Adapter (922D084W12V1) (Optional) 1 x Power cord (Varies by country) (Optional) 1 x CPU Heatspreader (98K000A000N2) (Optional) 1 x Membrane (98K000A000N1) (Optional) 2 x Speaker (612620000007) (Optional)
Power			
Power Rating	12V DC	POE	PoE (PD): follows IEEE 802.3at (25 W)

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.

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.