

EACIEK20

Intel® Celeron® N6211 EAC Mini IoT Gateway



KEY FEATURES

- Intel® Celeron® Elkhart Lake N6211 Processor
- Fanless cooling system
- Compact size 100 x 70 x 31 mm (w/o mounting bracket)
- Expansion module design
- Various mounting options: desk, wall, VESA, DIN-Rail
- AWS IoT Greengrass Certified

INTRODUCTION

Winmate EAC Mini IoT Gateway Series is a compact, fanless, and versatile solution designed to bridge the gap between edge devices and the cloud, enabling seamless IoT integration. Powered by advanced processors like Intel® Celeron® and ARM Cortex-A9, these gateways support multiple operating systems, including Android and Linux, and are certified for AWS IoT Greengrass and Microsoft Azure IoT. With features like superior wireless connectivity (Wi-Fi, LTE), Fieldbus interface support, and modular expansion options, the EAC series is ideal for industrial automation, smart factories, transportation, and outdoor IoT applications. Its robust design, compact size, and various mounting options ensure reliable performance in diverse environments.

SPECIFICATIONS

System Specification

Processor	Intel® Celeron® N6211 (up to 3.0GHz)	Memory	4GB LPDDR4 8GB LPDDR4 (Optional)
Storage	eMMC: Onboard 32 GB eMMC: Onboard 64 GB (Optional) eMMC: Onboard 128 GB (Optional) M.2 SSD: 128GB (Optional) M.2 SSD: 256GB (Optional) M.2 SSD: 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)
WLAN	Support (Optional)	BT	Support (Optional)
WWAN	WWAN(2nd layer) (Optional)	Expansion Port	EACWSLT-222 WWAN Expansion Board (Single SIM Slot) EACWSLT-231 3-port RS232/422/485 (Default RS232) w/ isolation EACWSLT-232 16-Channel Digital I/O w/ isolation EACWSLT-233 2-port CANBUS w/ isolation EACWSLT-234 3 -port USB 2.0 EACWSLT-235 2-port RS232/422/485 (Default RS232) w/ isolation EACWSLT-237 WWAN Expansion Board (Dual SIM Slot)

Mechanical

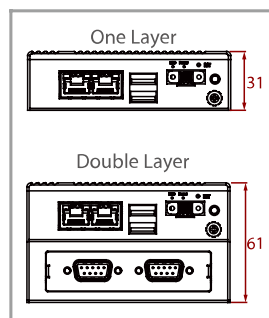
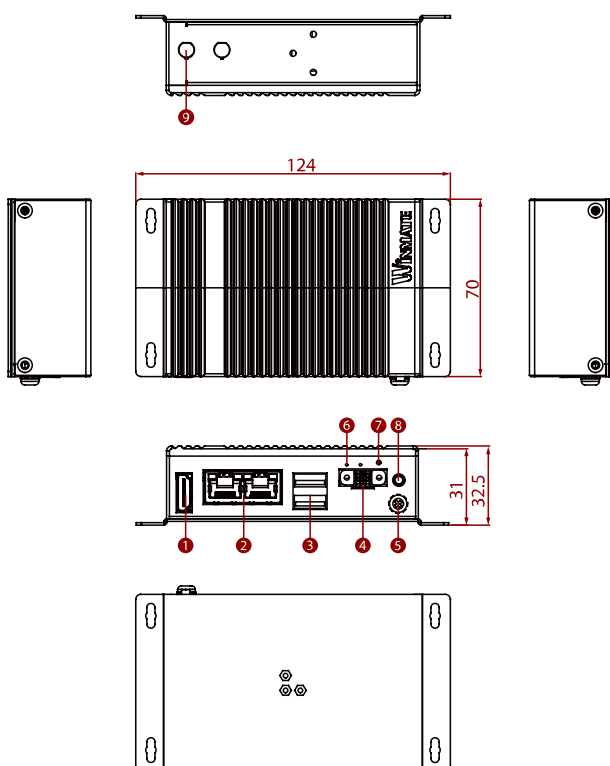
Dimension	100 (W) x 70 (H) x 31(D) mm(One layer) 100 (W) x 70 (H) x 61(D) mm(Double layer)	Weight	0.4 kg (One layer), 0.5 kg (Double layer)
Mounting	Desk Mounting and Wall Mounting VESA Mount (Optional)	Enclosure	Metal Housing

DIN-Rail Mount (Optional)			
Cooling System	Fanless design		
Environment			
Operating Humidity	30% to 90% RH, Non-Condensing	Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 70°C	Shock	Operating, IEC 60068-2-27
Vibration	Operating, IEC 60068-2-64	IP rating	IP30
Certification			
Certification	CE, FCC Microsoft Azure Certified for IoT AWS IoT Greengrass Certified		
IO Ports			
Power Input	1 x 9~36V DC, 2-Pin Terminal Block	USB Port	2 x USB3.2 Gen2x1 (TypeA)
Video	1 x HDMI 2.0 (Optional)	Expansion Port	M.2 : 1 x M.2 2242 B-Key slot for SATA III SSD or Wi-Fi module USB Wafer : 2 x USB2.0 Wafer
LAN	2 x 2.5 Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power
Control			
Button	1 x Power Button 1 x Reset Button		
Accessory			
Accessory	Quick Start Guide Terminal Block 2 Pin to 2.5Ø Female Adapter Cable 2 Pin Terminal Block Connector Open Wire DC Cable WLAN External Antenna (For WLAN sku) WWAN External Antenna (For WWAN sku) AC to DC Adapter 12V/36W (Optional) VESA Mounting Kit (Optional) DIN Rail Mounting Kit (Optional)		
Power			
Power Rating	9V~36V DC, 2-Pin Terminal Block	Adapter	12V 36W
Ordering Information			
Option	EACWSLT-222 WWAN Expansion Board (Single SIM Slot) (Optional) EACWSLT-231 3-port RS232/422/485 (Default RS232) w/ isolation (Optional) EACWSLT-232 16-Channel Digital I/O w/ isolation (Optional) EACWSLT-233 2-port CANBUS w/ isolation (Optional) EACWSLT-234 4-port USB 2.0 (Optional) EACWSLT-235 2-port RS232/422/485 (Default RS232) w/ isolation (Optional) EACWSLT-237 WWAN Expansion Board (Dual SIM Slot) (Optional)		

DIMENSIONS UNIT:MM

NOTE

1.This is a simplified drawing and some



* The Flexible ExPandable Module.

- | | |
|---------------|---------------------|
| 1 HDMI | 5 Chassis Grounding |
| 2 LAN | 6 LED Indicator |
| 3 USB Type-A | 7 Reset Button |
| 4 Power Input | 8 Power Switch |
| | 9 SMA |

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.