EACIL20

Intel® Celeron® N3350 Fanless Computer

KEY FEATURES

- Intel® Apollo Lake N3350 1.1 GHz 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 N3350 1.1GHz (up to 2.4GHz) Intel Pentium N4200 1.1GHz (up to 2.5GHz) (Optional)	Memory	4GB LPDDR4
Storage	eMMC: Onboard 32 GB eMMC: Onboard 64 GB (Optional) eMMC: Onboard 128 GB (Optional) mSATA SSD 128GB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)
WLAN	Support (Optional)	BT	Support (Optional)
WWAN	WWAN (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 EACWLST-234 3 -port USB 2.0 EACWLST-235 2-port RS232/422/485 (Default RS232) w/ isolation EACWLST-236 2-port Giga-LAN EACWLST-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) DIN-Rail Mount (Optional)	Enclosure	Metal Housing
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 Gen1x1 (Type-A)
Video	1 x HDMI 1.4 (Optional)	**Expansion Port**	mPCIe: 1 x Full-size mPCIe slot USB Wafer : 2 x USB2.0 Wafer
LAN	2 x Giga LAN RJ45 Connector	**Indicator**	1 x LED Indicator for power
mini PCIe	1 x Mini PCIE		

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

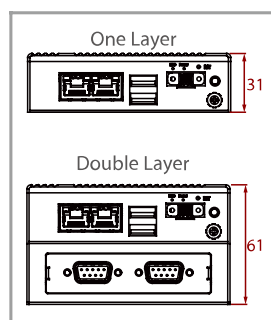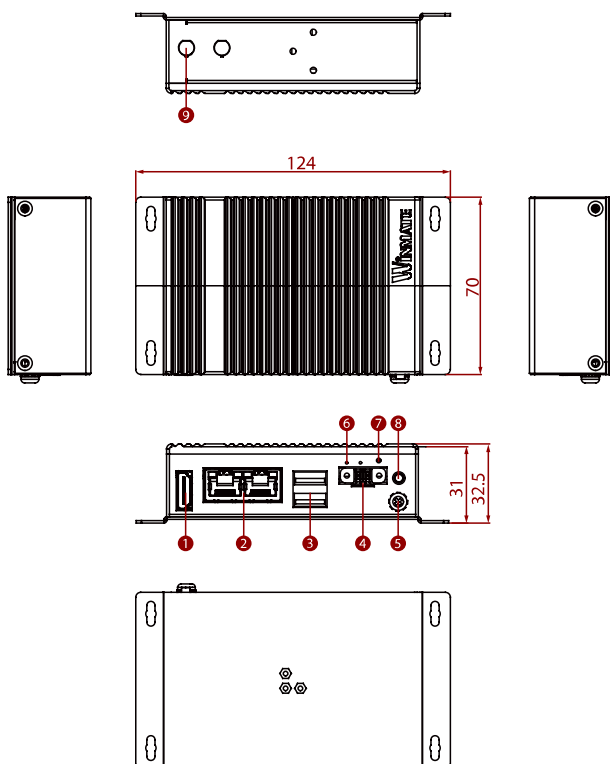|			
Power Rating	9V~36V DC, 2-Pin Terminal Block	**Adapter**	12V 36W

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-236 2-port Giga-LAN (Optional) EACWSLT-237 WWAN Expansion Board (Dual SIM Slot) (Optional)

DIMENSIONS UNIT:MM

NOTE

1. This is a simplified drawing and some

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Revised:V.240215.250123

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Winmate fanless computer EACIL20

124

70

31

32.5

One Layer

31

Double Layer

61

* The Flexable ExPandable Module.

❶ HDMI
❷ LAN
❸ USB Type-A
❹ Power Input

❺ Chassis Grounding
❻ LED Indicator
❼ Reset Button
❽ Power Switch
❾ SMA

components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. 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.