

# EACIL20

## Intel® Celeron® N3350 fanless computer



### KEY FEATURES

- Intel® Apollo Lake N3350 1.1 GHz fanless computer
- 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



### SPECIFICATIONS

#### System Specification

|                  |                                                                                                               |                            |                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Processor</b> | Intel® Celeron® N3350 (2M Cache, up to 2.4 GHz)<br>Intel® Pentium® N4200 (2M Cache, up to 2.5 GHz) (Optional) | <b>Memory</b>              | 4GB LPDDR4 2400 MHz                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>   | eMMC: Onboard 32 GB<br>Onboard 64 GB (Optional)<br>Onboard 128 GB (Optional)<br>mSATA SSD 64GB (Optional)     | <b>Ethernet controller</b> | 2 x Intel® Ethernet Controller                                                                                                                                                                                                                                                                                                                                      |
| <b>Security</b>  | TPM 2.0                                                                                                       | <b>Operating System</b>    | Windows 10 IoT Enterprise (Optional)<br>Linux Ubuntu 18.04 (Optional)                                                                                                                                                                                                                                                                                               |
| <b>WLAN</b>      | Support (Optional)                                                                                            | <b>BT</b>                  | Support (Optional)                                                                                                                                                                                                                                                                                                                                                  |
| <b>WWAN</b>      | WWAN (Optional)                                                                                               | <b>Expansion Port</b>      | EACWSLT-222 WWAN Expansion Board (Single SIM Slot)<br>EACWSLT-231 3-port RS232/422/485 w/ isolation<br>EACWSLT-232 16-Channel Digital I/O w/ isolation<br>EACWSLT-233 2-port CANBUS w/ isolation<br>EACWLST-234 3 -port USB 2.0<br>EACWLST-235 2-port RS232/422/485 w/ isolation<br>EACWLST-236 2-port Giga-LAN<br>EACWLST-237 WWAN Expansion Board (Dual SIM Slot) |

#### Mechanical

|                  |                                                                                     |                       |                                                                                           |
|------------------|-------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------|
| <b>Dimension</b> | 100 (W) x 70 (H) x 31(D) mm(One layer)<br>100 (W) x 70 (H) x 61(D) mm(Double layer) | <b>Mounting</b>       | Desk Mounting & Wall Mounting<br>VESA Mounting (Optional)<br>DIN-Rail Mounting (Optional) |
| <b>Enclosure</b> | Metal Housing                                                                       | <b>Cooling System</b> | Fanless design                                                                            |

#### Environment

|                            |                             |                              |                           |
|----------------------------|-----------------------------|------------------------------|---------------------------|
| <b>Operating Humidity</b>  | 30% to 90% (non-condensing) | <b>Operating Temperature</b> | 0~55°C                    |
| <b>Storage Temperature</b> | -15~70°C                    | <b>Shock</b>                 | Operating, IEC 60068-2-27 |
| <b>Vibration</b>           | Operating, IEC 60068-2-64   | <b>IP rating</b>             | IP30                      |

#### Certification

|                      |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| <b>Certification</b> | CE, FCC<br>Microsoft Azure Certified for IoT<br>AWS IoT Greengrass Certified |
|----------------------|------------------------------------------------------------------------------|

#### IO Ports

|                    |                                    |                       |                                                              |
|--------------------|------------------------------------|-----------------------|--------------------------------------------------------------|
| <b>Power Input</b> | 1 x 9~36V DC, 2-Pin Terminal Block | <b>USB Port</b>       | 2 x USB3.0 (Type-A)                                          |
| <b>Video</b>       | 1 x HDMI 1.4 (Optional)            | <b>Expansion Port</b> | mPCIe: 1 x Full-size mPCIe slot<br>USB Wafer : 2 x USB Wafer |
| <b>LAN</b>         | 2 x Giga LAN RJ45 Connector        | <b>Indicator</b>      | 1 x LED Indicator for power                                  |
| <b>mini PCIe</b>   | 1 x Mini PCIe                      |                       |                                                              |

## Control

|               |                                      |
|---------------|--------------------------------------|
| <b>Button</b> | 1 x Power Button<br>1 x Reset Button |
|---------------|--------------------------------------|

## Accessory

|                  |                                                                                                                                                                                                                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Accessory</b> | Quick Start Guide<br>Driver CD<br>Terminal Block 2 pin to 2.5Ø Female Adapter<br>Cable<br>Open Wire Cable with terminal block 2 pin connector<br>WLAN External Antenna (For WLAN sku)<br>WWAN External Antenna (For WWAN sku)<br>AC to DC Adapter 12V/36W (Optional)<br>VESA Mounting Kit (Optional)<br>DIN Rail Mounting Kit (Optional) |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Power

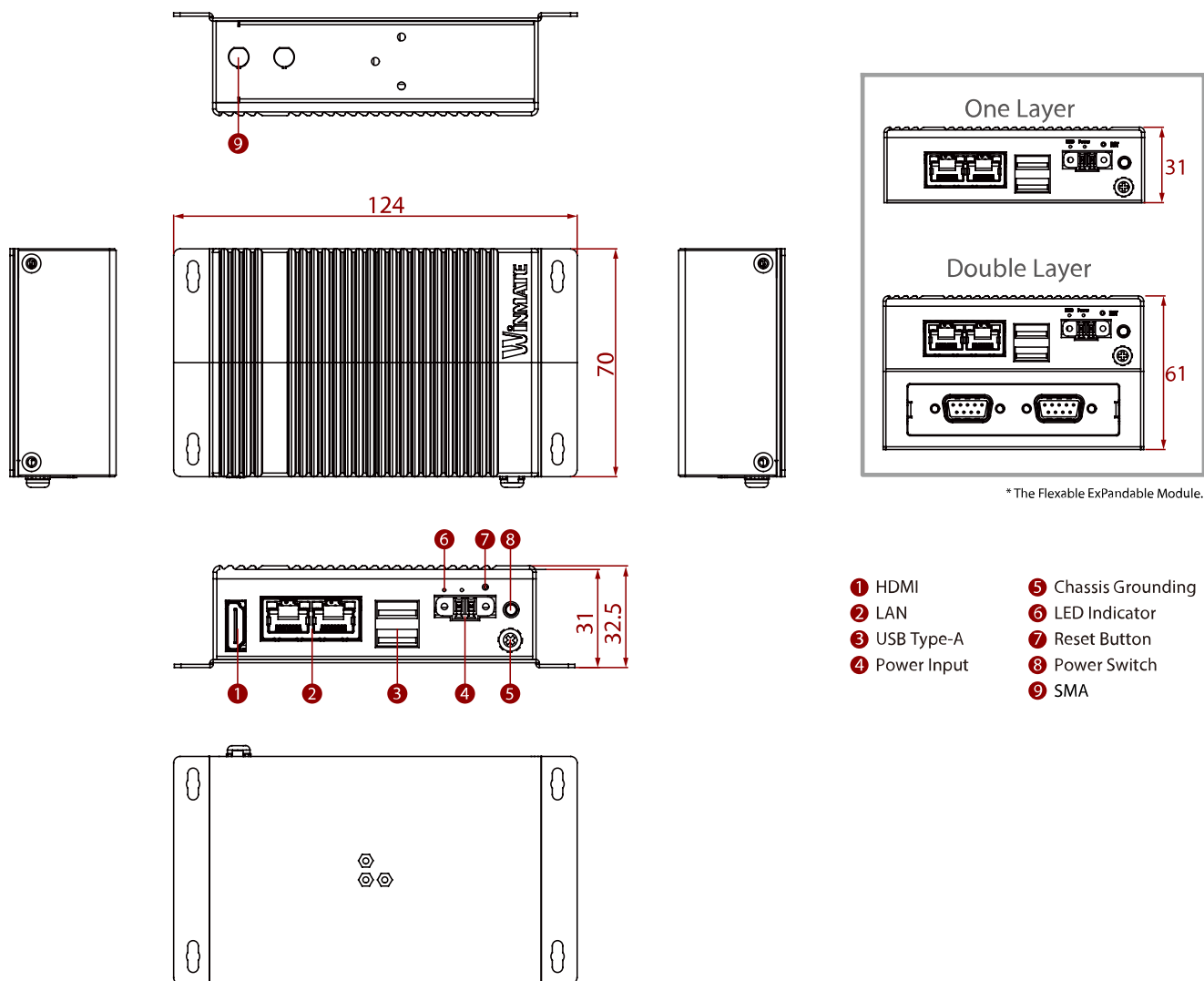
|                     |                                 |                |         |
|---------------------|---------------------------------|----------------|---------|
| <b>Power Rating</b> | 9V~36V DC, 2-Pin Terminal Block | <b>Adapter</b> | 12V 36W |
|---------------------|---------------------------------|----------------|---------|

## Ordering Information

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Option</b> | EACWSLT-222 WWAN Expansion Board (Single SIM Slot) (Optional)<br>EACWSLT-231 3-port RS232/422/485 w/ isolation (Optional)<br>EACWSLT-232 16-Channel Digital I/O w/ isolation (Optional)<br>EACWSLT-233 2-port CANBUS w/ isolation (Optional)<br>EACWSLT-234 4-port USB 2.0 (Optional)<br>EACWSLT-235 2-port RS232/422/485 w/ isolation (Optional)<br>EACWSLT-236 2-port Giga-LAN (Optional)<br>EACWSLT-237 WWAN Expansion Board (Dual SIM Slot) (Optional) |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## DIMENSIONS UNIT:MM

## Winmate fanless computer EACIL20



## 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. 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.