

# EACIL20-MR

## Intel® Pentium® N4200 Marine Computer



### KEY FEATURES

- Intel® Apollo Lake N4200 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

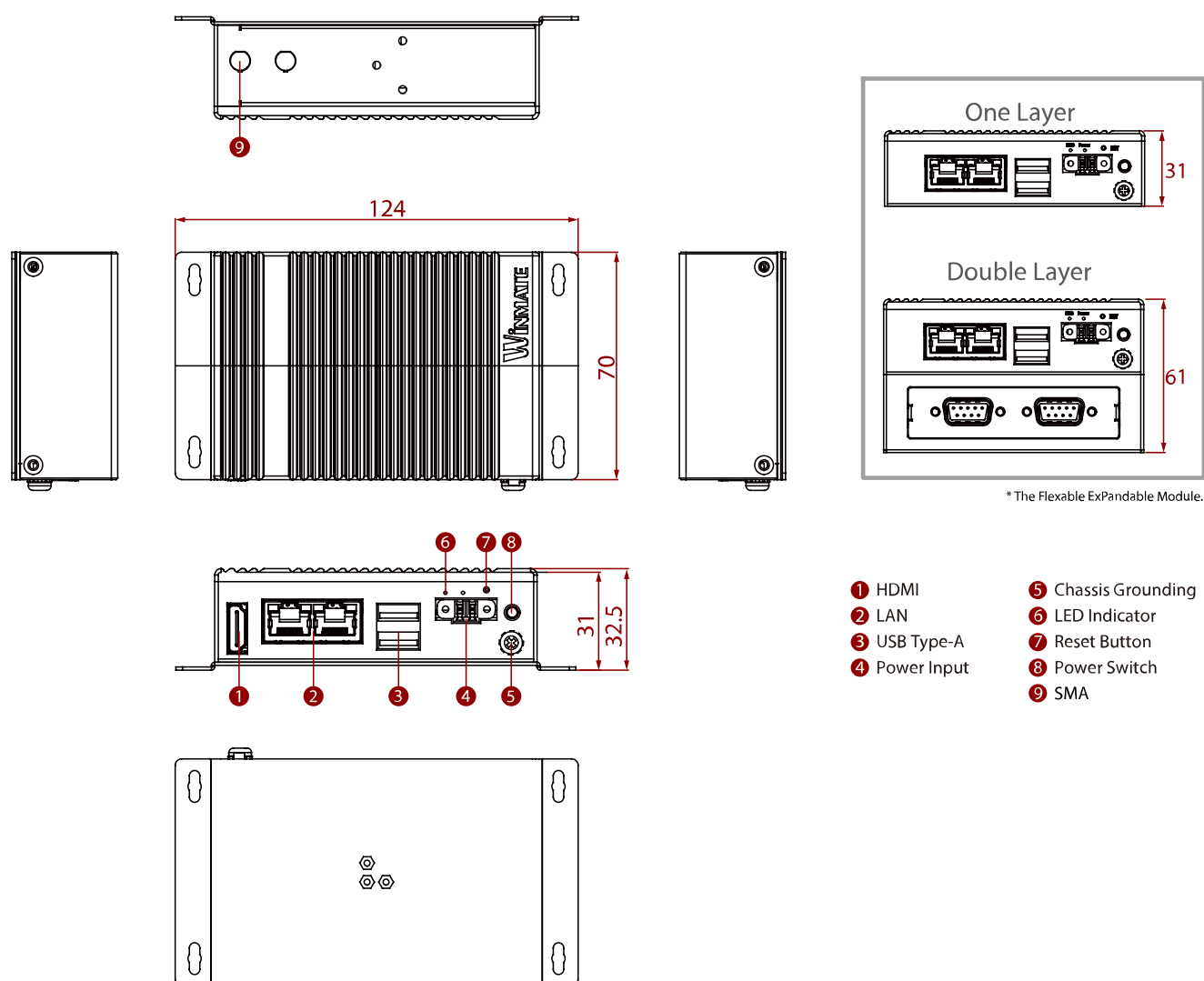


### SPECIFICATIONS

System Specification			
<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) EACWSLT-231 3-port RS232/422/485 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 w/ isolation EACWLST-236 2-port Giga-LAN EACWLST-237 WWAN Expansion Board (Dual SIM Slot)
<b>Processor</b>	Intel Pentium N4200 1.1GHz (up to 2.5GHz)	<b>Memory</b>	4GB LPDDR4 2400 MHz
<b>Storage</b>	eMMC: Onboard 32 GB eMMC: Onboard 64 GB (Optional) eMMC: Onboard 128 GB (Optional) mSATA SSD 128GB (Optional)	<b>Ethernet controller</b>	2 x Intel® Ethernet Controller
<b>Security</b>	TPM 2.0	<b>Operating System</b>	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)
Mechanical			
<b>Dimension</b>	100 (W) x 70 (H) x 31(D) mm(One layer) 100 (W) x 70 (H) x 61(D) mm(Double layer)	<b>Weight</b>	0.4 kg (One layer), 0.5 kg (Double layer)
<b>Mounting</b>	Desk Mounting & Wall Mounting VESA Mounting (Optional) DIN-Rail Mounting (Optional)	<b>Enclosure</b>	Metal
<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 Microsoft Azure Certified for IoT AWS IoT Greengrass Certified DNV GL		
IO Ports			

<b>USB Port</b>	2 x USB3.2 Gen1x1 (Type-A)	<b>Video</b>	1 x HDMI 1.4 (Optional)
<b>Expansion Port</b>	mPCIe: 1 x Full-size mPCIe slot 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
<b>Control</b>			
<b>Button</b>	1 x Power Button 1 x Reset Button		
<b>Accessory</b>			
<b>Accessory</b>	Quick Start Guide Driver CD AC to DC Adapter 12V/36W Terminal Block 2 pin to 2.5Ø Female Adapter Cable Open Wire Cable with terminal block 2 pin connector WLAN External Antenna (For WLAN sku) WWAN External Antenna (For WWAN sku) VESA Mounting Kit (Optional) DIN Rail Mounting Kit (Optional)		
<b>Power</b>			
<b>Power Rating</b>	9V to 36V DC, 2-Pin Terminal Block	<b>Consumption</b>	25W (Typical)

## DIMENSIONS UNIT:MM



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

\* The Flexible ExPandable Module.

## 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.