

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

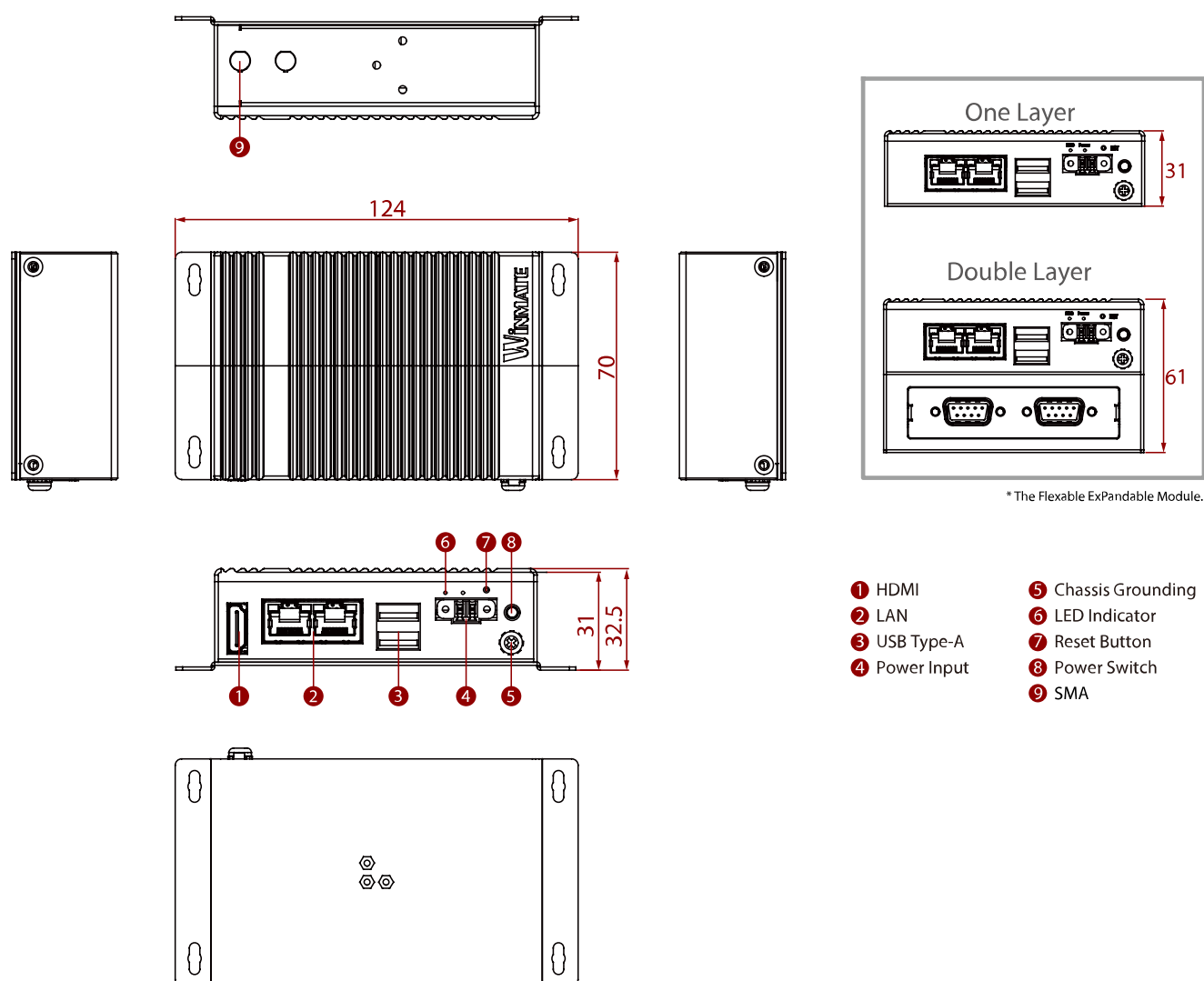


SPECIFICATIONS

System Specification			
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 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)
Processor	Intel Pentium N4200 1.1GHz (up to 2.5GHz)	Memory	4GB LPDDR4 2400 MHz
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)
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 & Wall Mounting VESA Mounting (Optional) DIN-Rail Mounting (Optional)	Enclosure	Metal
Cooling System	Fanless design		
Environment			
Operating Humidity	30% to 90% (non-condensing)	Operating Temperature	0~55°C
Storage Temperature	-15~70°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 DNV GL		
IO Ports			

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 USB 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 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)		
Power			
Power Rating	9V to 36V DC, 2-Pin Terminal Block	Consumption	25W (Typical)

DIMENSIONS UNIT:MM



* The Flexible ExPandable Module.

- 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

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.