

EACIL20-MR Intel(R) Pentium(R) N4200 Marine Computer

Manufacturer part number: EACIL20-MR | Marine Embedded Computers



Explore Winmate EACIL20-MR, an industrial computer solution featuring Intel(R) Pentium(R) N4200, IEC 60945 for marine bridge systems and shipboard automation.

System Specification	
Processor	Intel Pentium N4200 1.1GHz (up to 2.5GHz)
Memory	4GB LPDDR4 2400 MHz
Storage	eMMC: Onboard 32 GB (Default), eMMC: Onboard 64 GB (Optional), eMMC: Onboard 128 GB (Optional), mSATA SSD 128GB (Optional)
Ethernet controller	2 x Intel(R) Ethernet Controller
Security	TPM 2.0
Operating System	Windows 10 IoT Enterprise (64 bit) (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 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)
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 mount & Wall mount (Default), VESA mount (Optional), DIN-Rail mount (Optional)
Enclosure	Metal
Cooling System	Fanless Design
Environment	
Operating Humidity	30% to 90% RH, Non-Condensing
Operating Temperature	0 deg C to 55 deg C
Storage Temperature	-15 deg C to 70 deg C
Shock	Operating, IEC 60068-2-27
Vibration	Operating, IEC 60068-2-64
IP rating	IP30
Certification	

Certification	CE, FCC, DNVGL-CG-0339
IO Ports	
USB Port	2 x USB3.2 Gen1x1 (Type-A)
LAN	2 x Giga LAN RJ45 Connector
Video	1 x HDMI 1.4 (Optional)
Expansion Port	mPCIe: 1 x Full-size mPCIe slot, USB Wafer : 2 x USB Wafer
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 2.5O Female Adapter Cable, Open Wire Cable with terminal block 2 pin connector, WLAN External Antenna (For WLAN sku), WWAN External Antenna (For WWAN sku) (Default), VESA Mounting Kit (Optional), DIN Rail Mounting Kit (Optional)
Power	
Power Rating	9V to 36V DC, 2-Pin Terminal Block
Consumption	25W (Typical)