

eCC51 Technical Data



CPU Support

- Default: onboard Intel® Celeron® processor N3350 Dual Core, 2.4GHz
- Option: support Intel Atom® E3900 processor family from Dual Core
- E3930 to Quad Core E3950 (by request)

Main Memory

- 1 x DDR3L SO-DIMM socket, support DDR3L 1866 8GB RAM max., un-buffered and non-ECC

Display Option

- 1 x DP display



I/O Interface-Front

- ATX power on/off switch
- 1 x Storage/2 x GPO programmable LED
- 1 x SIM card holder
- 2 x Intel® I211AT GbE LAN ports; support WoL, teaming and PXE
- 1 x DP display output
- 2 x USB 2.0
- 2 x USB 3.0
- 3 x Antenna holes for optional Wi-Fi/3.5G antenna
- I/O Interface-Rear
- 3 x DB9 for COM1 & COM2 & COM3
- COM1/COM2: full RS232 signal
- COM3: RS422/485 auto flow control
- 1 x Line-out
- Support 12V/24V DC input

I/O Interface - Internal

- 4 x GPI and 4 x GPO (programmable to GPI or GPO)
- 1 x DB9, only support RS232, Tx/Rx/GND single

Storage Device

- Onboard 16GB EMMC, max up to 32G by request

- Optional M.2 B, BM key 2242 module

Expansion Slot

- 1 x mini-PCIe socket for optional Wi-Fi/3.5G module and 2 x M.2 slot for optional WiFi/Bluetooth and LTE modules

Power Requirements

- Power input: 12V/24V DC +/-10%
- 1 x Optional 24V, 60W power adapter

Support OS

- Linux Kernel version 4.1 with 16GB eMMC
- Windows 10 IoT Enterprise with 32GB eMMC

Dimensions

- 162mm (W) x 26mm (H) x 150mm (D) without wall-mount bracket

Construction

- Metal chassis with fanless design

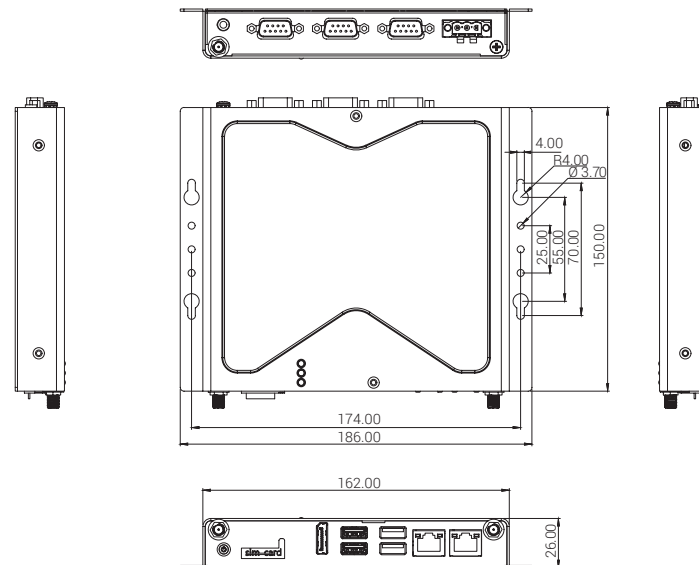
Environment

- Operating temperature:
- Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 75°C
- Relative humidity: 10% to 95% (non-condensing)
- Shock protection:
- M.2/EMMC: 50G, half sine, 11ms, IEC60068-27
- Vibration protection w/M.2 or EMMC condition:
- Random: 2Grms @ 5~500 Hz, IEC60068-2-64
- Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

Certifications

- CE
- FCC Class A

mini-PCIe	Configuration	USB	PCIe	SATA	3.5G/4G	WiFi/Bluetooth	Storage
Mini_card1	Full size	v	v	N/A	Support	Support	N/A
M.2	Configuration	USB	PCIe	SATA	3.5G/4G	WiFi/Bluetooth	Storage
M.2_Key_A1	A, AE key 2230	v	v	N/A	N/A	N/A	N/A
M.2_Key_B1	B, BM key 2242/3042	v (3042)	N/A	v (2242)	Support (3042)	N/A	Support (2242)



Ordering Information

Model	Part Number	Description
eCC51	+70ECC51	Intel® Celeron® Processor N3350 Dual Core Fanless System