

# eCCF105 - Technical Data



## CPU Support

- Onboard Intel® Atom™ x5-E3930 processor Dual Core 1.8GHz

## Main Memory

- On-board type 4GB DDR3L RAM
- Un-buffered and non-ECC

## Display Output

- 1 x HDMI display

## I/O Interface-Front

- 2 x Intel® I210IT GbE LAN ports; support WoL, teaming and PXE
- 4 x USB 3.0 (900mA)
- 1 x External SD card slot (data storage only)
- 1 x Power/1x HDD access LEDs
- 1 x Battery low/1x GPIO programming LED
- 2 x Tx/Rx LEDs
- 1 x ATX power on/off switch

## I/O Interface-Top

- 1 x Remote switch/1 x S3
- 1 x SIM card slot
- 1 x RTC battery socket

## I/O Interface-Bottom

- 2 x DB9, support RS232/422/485 with Auto Flow Control
- 1 x Optional DB9, support 4 x GPI and 4 x GPO

## Internal I/O Interface

- 1 x USB2.0, 500mA max.
- 1 x COM3, pin header, RS232 with Tx/Rx/RTS/CTS signal only
- 1 x COM4, pin header, RS232 with Tx/Rx/RTS/CTS signal only

- 4 x GPI and 4 x GPO (General purpose I/O), TTL 5V

## Storage Device

- Onboard 16GB eMMC
- Optional mSATA module

## Power Requirement

- Power input: typical +24VDC ±20%
- 1 x Optional 24V, 60W power adapter

## Dimensions

- 46.2mm (W) x 100mm (D) x 120mm (H)

## Construction

- Aluminum and Metal Chassis with front access design

## Environment

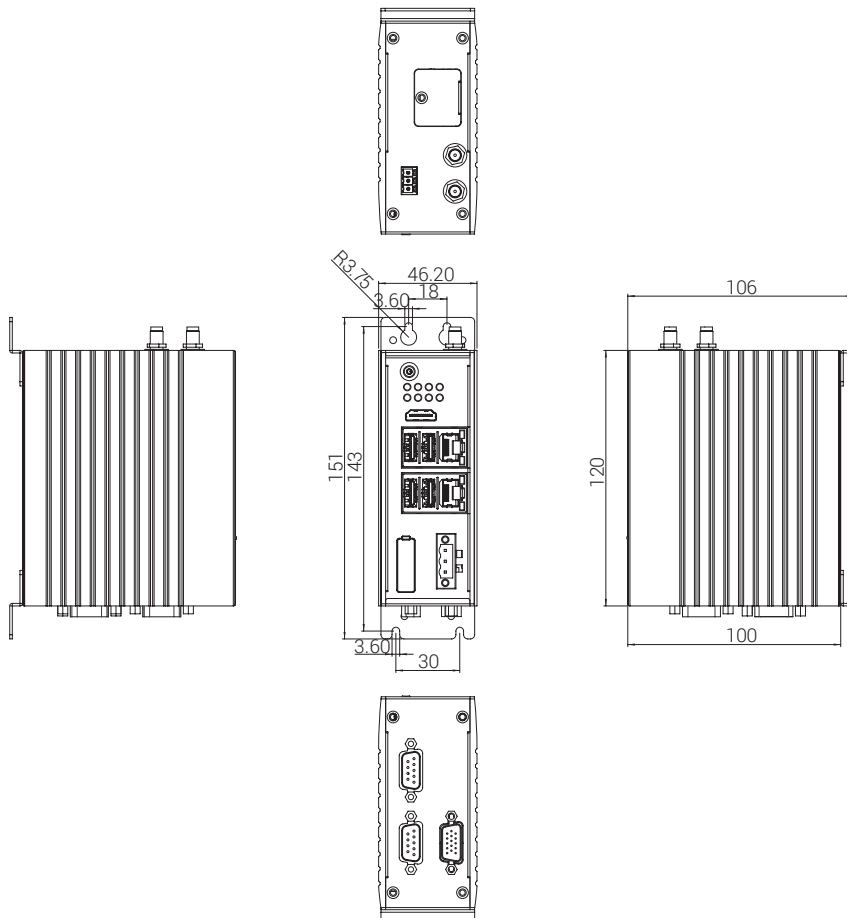
- Operating temperature: Ambient with air flow: -10°C to 60°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 75°C
- Relative humidity: 10% to 93% (non-condensing)
- Shock protection:
  - mSATA/eMMC: 50G, half sine, 11ms, IEC60068-27
- Vibration protection w/ mSATA or eMMC condition:
  - Random: 2Grms @ 5~500 Hz, IEC60068-2-64
  - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

## Certifications

- CE approval
- EN61000-6-2
- EN61000-6-4
- FCC Class A

## Support OS

- Windows 10 IoT , 32bit/64bit



## Ordering Information

Model	Part Number	Description
eCCF105	+70ECCF105	Intel® Atom™x5-E3930 Dual Core Factory Automation Fanless System with Palm Size form Factor