



Main Features

- ◆ Industrial Wi-Fi serial/Ethernet device server
- ◆ Support transparent mode
- ◆ Web-based configuration
- ◆ 9600~115200 bps baud rate for RS-232 transmissions
- ◆ Secure data access with WPA, WPA2
- ◆ 1 x 10/100 Fast Ethernet port
- ◆ 2.5 Kv single isolation
- ◆ Support 5V DC input with Micro USB connector
- ◆ LED indicators

Product Overview

NMCB101C is designed for RS232 devices in industrial machines, such as medical equipment, PLC, electricity meter and sensors. For medical equipment, we used 2.5Kv of single isolate to make sure single correct and independent. By the function, to convert RS232 signal into Wi-Fi or Ethernet through the NMCB101C, which achieves the purpose of application in IoT and Industry 4.0.

Specifications

CPU Support

- ◆ Onboard STM32F407ZE processor

Main Memory

- ◆ 512KB (embedded Flash in STM32)

Serial Port

- ◆ 1 x RS232

Wireless

- ◆ Wi-Fi: 802.11 b/g/n x 1

Ethernet

- ◆ 1 x 10/100 Base-TX
- ◆ MDI/MDIX Auto cross

Reset

- ◆ 1 X Reset/restore to default push button

Physical and Power

- ◆ DC 5V with Micro USB connector
- ◆ Dimension: TBC
- ◆ Weight: TBC

SW Features

- ◆ OS: FreeRTOS
- ◆ Management
- ◆ Web GUI for configuration
- ◆ Ethernet Firmware upgrade
- ◆ SNTP client (real IP, static)
- ◆ Factory default/Reset (press reset button 3 seconds interval for factory default)

Environment Protection

- ◆ Operating temperature: 0°C~70°C
- ◆ Storage temperature: -40°C~85°C

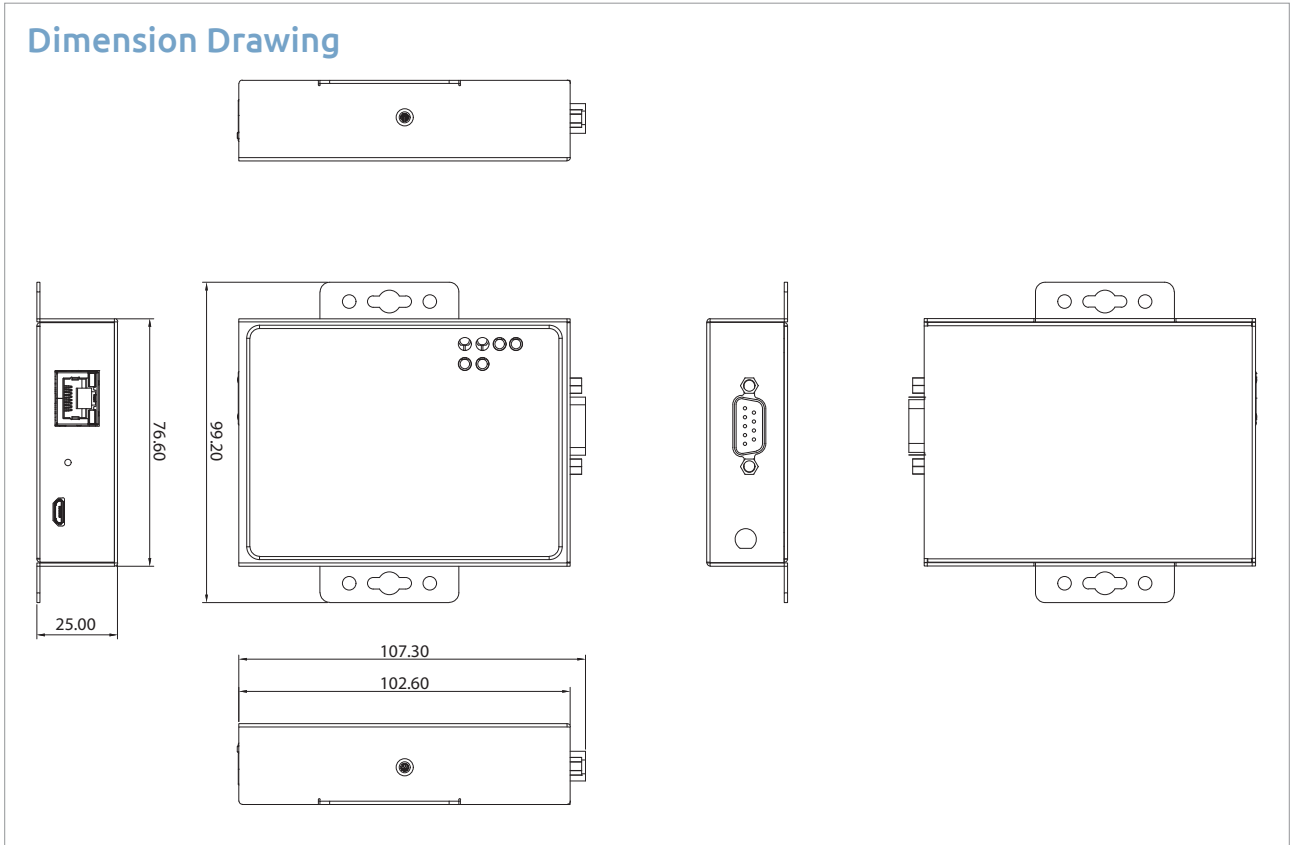
Relative Humidity

- ◆ Operating: 5%~95%, non-condensing

Certification

- ◆ EMI: FCC, CE Class B, SRRC
- ◆ RF:
 - FCC: PART15C
 - CE: EN 300328
- ◆ EMC: EN 301 489-1/17, FCC Part 15 Subpart B, EN 55022/55024

Dimension Drawing



Ordering Information

- NMCB101C (P/N: TBD)