



# Product specifications

## BX-4G DTU

## Summary

BX-4G DTU is developed and designed by ONBON, it takes LTE Cat4 network as transmission medium, it's an industrial communication terminal based on mobile GSM SMS platform and LTE data service. It is in board RS232 standard interface, can connect directly with equipment or LED controller, realize short message function in Chinese and English and LTE data transmission function.

## Feature

- ◆ International standard configuration, supporting global GSM network ; ( Four bands 850MHz 900MHz 1800MHz 1900MHz )
- ◆ Support LTE FDD : B1/B3/B5/B8 ; LTE TDD: B38/B39/B40/B41
- ◆ Fast on-line speed, Maximum:15 seconds .
- ◆ Support multiple configuration modes: Feixin / SMS / HyperTerminal / special configuration software;
- ◆ Support the general APN of China Mobile, China Unicom and the special APN of mobile operators;
- ◆ Support heartbeat signal and LTE connection indication; ;
- ◆ Adopt metal shell, suitable for industrial site control ;
- ◆ Anti interference, anti-static design, suitable for the application requirements of electromagnetic environment, supporting a wide environment temperature : -40℃ ~ 80℃
- ◆ Multiple hardware and software fault-tolerant design solves the common fault phenomena of LTE fundamentally :
  - A. LTE mode shut down ;
- ◆ B. SMS does not return or the SMS is suspended (repeatedly sending SMS does not return) ;
- ◆ Data communication suspended (LTE goes online but cannot send data)) ;
  - D. LTE doesn't online for a long time (LTE replies to SMS but does not go online at all)
- ◆ Self-adaption baud rate : Maximum : 460800bps
- ◆ Support RTS and CTS control
- ◆ Support GPS ( Optional )

Left panel

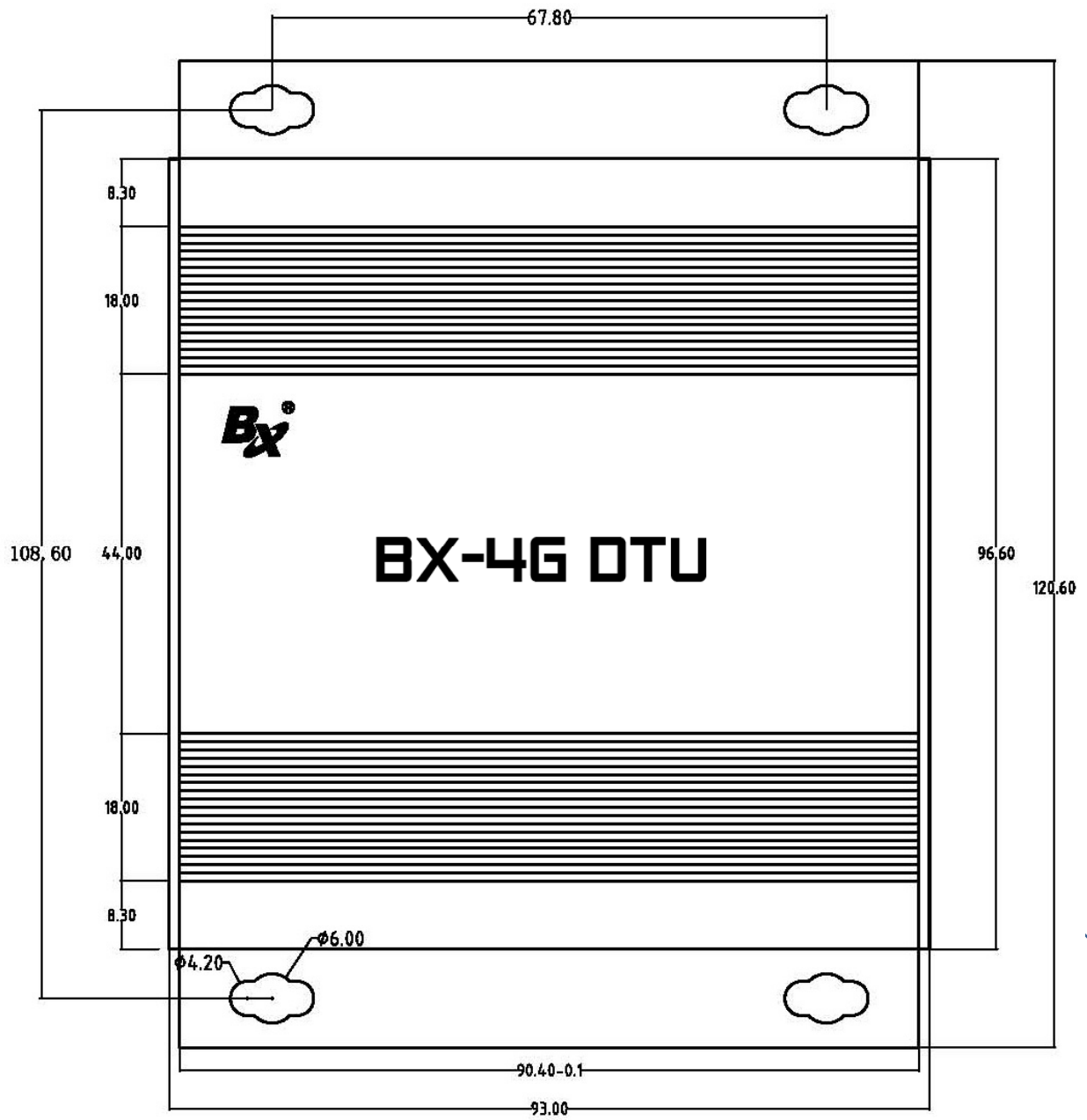


Interface	
5V GND	5V power interface,DC input, nominal voltage 5V ( Support 4.8V ~ 6V )
DC	power indicator
ARM	controller working indicator
GTM	Network working indicator
COM	Serial port connect with controller

Right panel



# Dimensions



## Specification parameter

Specification	
Working voltage	Voltage : 5V ( 4.8V-6V )
Max power	3W
Sensitivity	≤-107dBm
Data interface	Serial communication
Modem	FDD-LTE、 TDD-LTE、 TD-SCDMA、 HSPA+、 HSUPA、 HSDPA、 UMTS、 WCDMA、 EDGE、 GPRS、 GSM
Frequency band	<ul style="list-style-type: none"> <li>● FDD-LTE : B1/B3/B8</li> <li>● TDD-LTE : B38/B39/B40/B41</li> <li>● HSPA/UMTS : 900/2100MHz</li> <li>● GSM/GPRS/EDGE : 900/1800MHz</li> <li>● TD-SCDMA : B34/B39</li> <li>● L1 : 1575.42MHz ( GPS )</li> </ul>
Features	<ul style="list-style-type: none"> <li>● FDD-LTE : 150 Mbps DL, 50 Mbps UL</li> <li>● TDD-LTE : 150 Mbps DL, 50 Mbps UL</li> <li>● TD-HSUPA : 2.8Mbps DL</li> <li>● TD-HSUPA : 2.2Mbps UL</li> <li>● DC-HSPA+ : 42 Mbps DL</li> <li>● HSPA+ : 21 Mbps DL</li> <li>● HSUPA : 5.76Mbps UL</li> <li>● WCDMA : 384 Kbps DL, 384Kbps UL</li> <li>● EDGE : 237 Kbps DL, 118Kbps UL</li> <li>● GPRS : 85.6 Kbps DL, 85.6 Kbps UL</li> </ul>
Baud rate	Communication adaptation : Maximum 460800bps
GPS	support ( optional )
Working temp	-40℃ ~ 80℃
Size	93×96.6×26.9mm

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ONBON APP