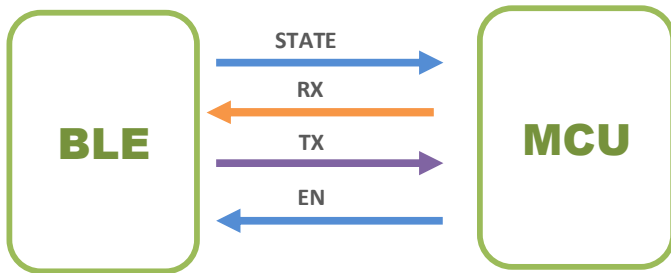# DM-U08

The **DM-U08** is Central and Peripherals 2-in-one Bluetooth UART Serial pass-through module. Users can change roles (Central and Peripheral mode) and serial baud rate and device name via AT command. Parameters such as name and password are flexible to use.

Once it is paired to a central/master Bluetooth device such as PC, smart phones or tablet, its operation becomes transparent to the users.

PRODUCT PARAMETERS

Bluetooth Protocol	Bluetooth Specification V4.0 BLE
Working Frequency	2.4 Ghz ISM band
Modulation Method	GFSK (Gaussian Frequency Shift Keying)
RF Power	-23dbm, -6dbm, 0dbm, 4dbm (Only Digimore BT02-2 Bluetooth module support)
Security	Authentication and Encryption
Service	Central & Peripheral UUID FFE0, FFE1
Power	+3.6 ~ 6 VDC, 100mA
Working Temperature	-5 ~ +65 ^{o}C
Module Dimension	24 mm x 16 mm x 2.8 mm

WIRING DIAGRAM & PIN FUNCTION

	STATE	
BLE	RX	**MCU**
	TX	
	EN	

STATE	Output high for connection, output low for idle
EN	Input high level for normal operation, input low level for sleep (does not support AT command and UART transmission
RX	BLE UART input pin
TX	BLE UART output pin

PRODUCT MODEL

Model No.	IC	BLE Version
DM-U08 (BT01-2)	CC2541	V4.0 BLE
DM-U08 (BT02-2)	CC2540	V4.0 BLE
DM-U08 (BT03-1)	CC2640R2F	V42. & 5.0 BLE

* Features and specification are subject to change without notice.