

Item	MDBT50-256R	MDBT50-P256R
Picture		
Solution	 nRF52820	
Size (mm)	8.4 x 13.2 x 2.1	
Antenna	Chip	PCB
Line-of-sight Distance	125Kbps: Over 550 Meters 1Mbps: Over 270 Meters 2Mbps: Over 130 Meters	125Kbps: Over 550 Meters 1Mbps: Over 270 Meters 2Mbps: Over 130 Meters
RAM	32K	
Flash Memory	256K	
GPIO	18	
Bluetooth Specification	BT5.4 / BT5.2 / BT5.1 / BT5.0	
Other Features	   	
BQB Profiles Applied	1. Alert Notification Profile 2. Blood Pressure Profile 3. Cycling Speed & Cadence Profile 4. Glucose Profile 5. Health Thermometer Profile 6. Heart Rate Profile 7. HID over GATT Profile 8. Proximity Profile 9. Running Speed & Cadence Profile 10. Time Profile 11. Glucose Profile (Central) 12. Mesh Profile	
FCC (USA)	*SH6MDBT50	*SH6MDBT50
IC (Canada)	*8017A-MDBT50	*8017A-MDBT50
CE (EU)	CE RED Directive Compliant	
RCM (Australia & New Zealand)	RCM Compliant	
Telec (Japan)	*201-200840	*201-200840
KC (Korea)	*R-C-ryt-MDBT50	*R-C-ryt-MDBT50
SRRC (China)	*2020DJ11240	*2020DJ11240
NCC (Taiwan)	*CCAM20LP2870T3	*CCAM20LP2871T5
Interface	I2C & SPI & UART & USB	
Package	Anti-Static SMT Tray/120pcs; Tape & Reel/1,500pcs	
Remark	"" Module Approval Compliant	