

MDBT42Q Series

MDBT42 Series

MDBT42V Series

Item	MDBT42Q-512KV2 /-192KV2/-192KL	MDBT42Q-P512KV2 /-P192KV2/-P192KL	MDBT42Q -U512KV2	MDBT42-512KV2	MDBT42-P512KV2	MDBT42V-512KV2	MDBT42V-P512KV2
Picture							
Solution	nRF52832 & nRF52810 & nRF52811			nRF52832			
Size (mm)	16 x 10 x 2.2			13.8 x 8.8 x 1.8		8.4 x 6.4 x 1.75	8.4 x 6.4 x 1.5
Antenna	Chip	PCB	u.FL Connector for External Antenna	Chip	PCB	Chip	PCB
Line-of-sight Distance	>80M	>60M	>80M	>80M	>60M	>80M	>60M
RAM	nRF52832: 64K nRF52811 / nRF52810: 24K			64K			
Flash Memory	nRF52832: 512K nRF52811 / nRF52810: 192K			512K			
GPIO	32					20	
Bluetooth Specification	BT5.2 / BT5.1 / BT5.0 / BT4.2						
Other Features	nRF52811 Supports    			nRF52832 / nRF52810 Supports  			
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)	*SH6MDBT42Q			*SH6MDBT42		*SH6MDBT42V	
IC (Canada)	*8017A-MDBT42Q			*8017A-MDBT42		*8017A-MDBT42V	
CE (EU)	CE RED Directive Compliant			CE RED Directive Compliant			
Telec (Japan)	*201-260496			*201-170035		*201-170920	
KC (Korea)	*MSIP-CRM-ryt-MDBT42Q			*MSIP-CRM-ryt-MDBT42		*R-C-ryt-MDBT42V	
SRRC (China)	*2016DJ4571		2019DJ6123(M)	*2017DJ0350		*2017DJ5872	
NCC (Taiwan)	*CCAM16LP1180T2	*CCAM16LP1181T1	*CCAM16LP1182T3	*CCAM16LP1970T2	*CCAM16LP1971T4	*CCAM17LP1390T5	*CCAM17LP1391T7
Interface	I2C & SPI & UART & I2S & PDM & PWM & NFC (Note: I2S & NFC is only available for nRF52832)						
Package	Anti-Static SMT Tray/88pcs; Tape & Reel/1,672pcs			Anti-Static SMT Tray/88pcs		Anti-Static SMT Tray/160pcs Tape & Reel/1,760pcs	
Remark	" * " Module Approval Compliant						