



Features	i40e	i50e	i60
Bluetooth Specification	2.1+EDR	2.1+EDR	2.1+EDR
Bluetooth class	2	2	2
Range, line of sight	10m	10m	10m
Antenna	Internal	NO	NO
Temperature range	-40 ⁰ C to +85 ⁰ C	-40 ⁰ C to +85 ⁰ C	-40 ⁰ C to +85 ⁰ C
Maximum Throughput	2, 3Mbps	2, 3Mbps	2, 3Mbps
Integration	Surface mount	Surface mount	Surface mount
Host Interfaces	UART, USB, 9×GPIO,2×AIO	UART, USB, 13×GPIO,2×AIO	UART, SDIO, 4×GPIO
Audio interfaces	PCM	Analog, PCM, SPDIF, I2S	PCM,I2S
Operating voltage	3.0V~3.6V	3.0V~3.6V	3.0V~3.6V
AFH supported	Yes	Yes	Yes
802.11 co-existence	Yes	Yes	Yes
Memory	48KB RAM, 8MB Flash	48KB RAM, 8MB Flash	ROM
Chip	BlueCore04	BlueCore05 Multimedia	BlueCore06
Certifications	BQB	BQB	BQB
Ability to host applications	Yes	Yes	Yes
Firmware options	Embedded BlueSoleil, Custom	Embedded BlueSoleil, Custom	BlueSoleil, Custom
Size	27×13×2.2 mm	21×13.5×2.5 mm	13×13×2 mm
Profiles	SPP, HFP, HSP, PBAP	SPP, HFP, HSP, PBAP, PIM Sync, OPP, A2DP, AVRCP	SPP, HFP, HSP, PBAP, PIM Sync, FTP, OPP, MAP, A2DP, AVRCP, HID, DUN, PAN, Fax
Applications	<ul style="list-style-type: none"> ● Cable replacement ● Point-of-sales systems ● Barcode readers and pay terminals ● Telemetry and machine-to-machine devices ● Automotive inspection and measurement systems ● Medical systems ● Fitness and sports telemetry devices 	<ul style="list-style-type: none"> ● High quality stereo headsets ● High quality mono headsets ● Hands-free car kits ● Wireless speakers ● VoIP handsets ● MP3 players ● USB multimedia dongles 	<ul style="list-style-type: none"> ● PC ● Tablet ● PDA ● PND ● PMP ● Other Bluetooth device which runs windows/windows CE/linux/Android and so on.