

	CJ-1 and B1+ Hardware Specification Comparison	CJ-1	B1+	M6	P7	P10
Type		Amateur/Commercial Handheld	Amateur/Commercial Handheld	Amateur/Commercial Handheld	Amateur/Commercial Tablet	Amateur/Commercial Tablet
VHF		136-174MHz	136-174MHz	136-174MHz	136-174MHz	136-174MHz
UHF	B1+ = Wider frequency tuning for UHF	400-470MHz	400-490MHz	400-490MHz	400-490MHz	400-490MHz
Power Output	B1+ = Higher power output for F1M/DMR	4W F1M/F1M/DMR	4-9W F1M/F1M/DMR	4-9W F1M/F1M/DMR	4-9W F1M/F1M/DMR	4-9W F1M/F1M/DMR
IP Radio Capability		DMR + ARC4/AES + APRS + RFinder Network	DMR + APRS + RFinder Network	DMR + APRS + RFinder Network	DMR + APRS + RFinder Network	DMR + APRS + RFinder Network
Satellite Tracking	CJ-1 = AES encryption (commercial only)	Integrated (with RFinder)	Integrated	Integrated	Integrated	Integrated
Color		Black with Orange	Black	Black	Orange with Black Side Rubber	Military Green with Black Side Rubber
Screen	B1+ = Higher pixels per inch (resolution)	4.0" 480x800 pixels touch screen	4.0" 640x1136 pixels touch screen	5.7" 720x1440 pixels touch screen	7" 800x1200 pixels touch screen	10.1" 1200x1920 pixels touch screen
Dimensions (imperial)		5.83" x 2.80" x 0.98"	5.83" x 2.52" x 1.19"	6.89" x 3.27" x 0.95"	9.3" x 6.3" x 1.2"	11.7" x 7.0" x 0.9"
Weight (imperial)	CJ-1 = Lower weight	0.82lbs	0.95lbs	0.95lbs	1.92lbs	2.76lbs
Dimensions (metric)		148mm x 71mm x 25mm	148mm x 64mm x 30.3mm	175mm x 83mm x 24mm	237.2mm x 159.2mm x 31.4mm	297mm x 179mm x 23mm
Weight (metric)		371.5g	430g	430g	870g	1250g
Dust-tight, water-resistant		Yes	Yes	Yes	Yes	Yes
Battery		22.8Wh swappable	Swappable 19Wh included; 26.5Wh available	Built-In 27.8Wh LiPo	Built-In 34.8Wh	Built-In 73.1Wh
Charging		USB-C (device) to USB-A 2.0, 5V2A	USB-C (device) to USB-A 2.0, QC 3.0, 5V3A	USB-C (device) to USB-A 2.0, QC 3.0, 5V3A	USB-C (device) to USB-A 2.0, QC 3.0, 5V3A	USB-C (device) to USB-A 2.0, QC 3.0, 5V3A
Drop-In Charger	B1+ = Included drop-in charger	Optional	Included	Optional	Not Applicable	Not Applicable
Operating System	CJ-1 = Android 14	Android 14	Android 9	Android 9	Android 9	Android 9
Mainboard Architecture		DT865	DT865	DT818	DT865	DT865
Processor	B1+ = Slightly faster processor	2.0GHz MTK6762 Octa-core	2.3GHz MTK6765 Octa-core	2.3GHz MTK6765 Octa-core	2.3GHz MTK6765 Octa-core	2.3GHz MTK6765 Octa-core
RAM/ROM	B1+ = More RAM/ROM	4GB / 64GB	6GB / 128GB	6GB / 128GB	6GB / 128GB	6GB / 128GB
Front / Rear Camera	CJ-1 = Higher front camera resolution	8 megapixels / 13 megapixels	5 megapixels / 13 megapixels	13 megapixels / 24 megapixels	5 megapixels / 13 megapixels	5 megapixels / 13 megapixels
Buttons		PTT + 1 programmable (e.g. Zello)	PTT + 1 programmable (e.g. Zello)	PTT + 3 programmable (e.g. Zello)	PTT + 1 programmable (e.g. Zello)	PTT + 1 programmable (e.g. Zello)
WiFi	CJ-1 = 5th generation WiFi, versus 4th	802.11ac/b/g/n, 2.4/5.8GHz	802.11b/g/n, 2.4/5.8GHz	802.11b/g/n, 2.4/5.8GHz	802.11b/g/n, 2.4/5.8GHz	802.11b/g/n, 2.4/5.8GHz
Cellular		4G LTE dual-SIM	4G LTE dual-SIM	4G LTE dual-SIM	4G LTE dual-SIM	4G LTE dual-SIM
LTE-FDD Band Support	CJ-1 = includes LTE bands 12 and 66	B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B66	B1/B2/B3/B4/B5/B7/B8/B17/B20	B1/B2/B3/B4/B5/B7/B8/B17/B20	B1/B2/B3/B4/B5/B7/B8/B17/B20	B1/B2/B3/B4/B5/B7/B8/B17/B20
LTE-TDD Band Support		B38/B39/B40/B41	B38/B39/B40/B41	B38/B39/B40/B41	B38/B39/B40/B41	B38/B39/B40/B41
GPS		GPS/BEIDOU/GLONASS/A-GPS	GPS/BEIDOU/GLONASS/A-GPS	GPS/BEIDOU/GLONASS/A-GPS	GPS/BEIDOU/GLONASS/A-GPS	GPS/BEIDOU/GLONASS/A-GPS
Bluetooth	CJ-1 = Bluetooth 5, includes RF audio	Bluetooth 5.0 (Android/RF)	Bluetooth 4.0 (Android Only)	Bluetooth 4.0 (Android Only)	Bluetooth 4.0 (Android Only)	Bluetooth 4.0 (Android Only)
Radio Bluetooth Audio/Accessories		Available	Not Available	Not Available	Not Available	Available
Speaker		2 Watt	2 Watt	2 Watt	2 Watt (rear)	2 Watt (rear)
External Microphone		Not Included	Not Included	Not Included	Included (rechargeable) - recommended mic/speaker	Included (powered) - recommended mic/speaker
RTL-SDR - RX range		Not Included	Not Included	Not Included	Not Included	25 MHz to 1760 MHz
RF Module Communication	CJ-1 = direct communication for programming, likely to enable additional capability or rapid development without dependence on hardware manufacturer (e.g. faster programming, scan, APRS, dual audio, etc)	direct	via software intermediary. RFinder has requested direct communication of the manufacturer, which may be made available in the future.	via software intermediary. RFinder has requested direct communication of the manufacturer, which may be made available in the future.	via software intermediary. RFinder has requested direct communication of the manufacturer, which may be made available in the future.	via software intermediary. RFinder has requested direct communication of the manufacturer, which may be made available in the future.
* specifications subject to change at any point						
Specification advantage B1/CJ1						
M6 differentiators vs B1/CJ1						