



Intermec Product Feature Comparison



Feature Comparison	Intermec CN51 	Intermec CN50 	Intermec CN70 
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	UMTS HSDPA / HSUPA, CDMA EVDO - Rev A, 802.11 b/g, BT, GPS Yes	3.75G UMTS HSUPA, CDMA EV-DO Rev A 802.11 a/b/g/n, BT, GPS Yes (Gobi 3000; data only)
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP54	8 ft to concrete; 6 ft. to concrete across the op. temp. range per MIL-STD 810G Tumble - 2000 - 1M tumbles at room temp. IP67 / Submersible
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	2D Area Imagers and 5 MP Color Camera	2D High-Perf Area Imager and 5 MP Auto Focus Color Camera
Display	4.0" WVGA	3.5" QVGA	3.5" VGA with extended wear characteristics
Dimensions Weight (with Ext. Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g	74 x 154 x 28 mm 340 g	80 x 169 x 35 mm 437 g
Processor OS Memory	1.5 GHz – TI OMAP4470 Dual Core CPU WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	528 MHz - Dual ARM Processors WM 6.1 and WEH 6.5 256 MB RAM, 512 MB ROM	TI OMAP3 1 GHz WEH 6.5 512 MB RAM, 1 GB ROM
Batteries	Standard 3,900 mAh; Smart Battery	Extended 3,900 mAh	Standard 4,000 mAh
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	CCX v4, MDI, Verdex, Compass, Accelerometer, HTML 5 browser, Intermec Launcher	CCX v4, MDI, Verdex, IrDA, Accelerometer, Laser-Etched Keypad

CN51 Competitive Overview



DSD / Field Service / T & L

Scenario Area	Status for in-class WAN competitors				Rationale/ Comments
	CN51	MC67	MC65	Hon Dolphin 7800	
Customer has legacy Windows Mobile applications but wants to add new capabilities using HTML5 and possibly switch to Android in the next 1-2 years	✓	✗	✗	✗	Only CN51 provides “bridges” for customers considering new capabilities available with different browsers and/or operating systems
BYOD is an attractive approach since workers already know how to use their own smartphones	✓	✗	✗	✓	CN51 with Android gives workers a tool they already know how to use and provides the Enterprise approved ruggedness, battery runtime, & MDM options
Customer wishes to minimize the scrolling required on their longer forms with the small displays, and it would be much better if the signature capture area was larger so folks could sign more legibly.	✓	✗	✗	✗	CN51’s 4” display provides a larger viewing area for less scrolling, and allows a larger signature capture box for more readable signatures. Also, if Android is your OS, most Android apps are designed for the WVGA resolution
Customer requires long battery life to support shifts than run 10+ hours with regular WAN radio communications & bar code scanning	✓	✗	✗	✗	Multi-engine processing design & aggressive power management reduce system power consumption; may also reduce need for extra batteries, vehicle charging systems



CN51 & MC67 Product Feature Comparison

Feature Comparison	Intermec CN51 	Motorola MC67 	CN51 Customer Benefits
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	UMTS HSPA+, CDMA EVDO - Rev A (Verizon only), 802.11 a/b/g/n, BT, GPS Yes	Sprint and Verizon CDMA support Cellular voice and data support
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	6ft - 6 ft. drops per MIL-STD 810G across the op. Temp. range 8ft - Multiple 8 ft. drops per MIL-STD 810G at room temp. Tumble - 1000 1/2M tumbles at room temp. IP65 and IP67	MC67 uses up to 5 units to pass 26 drops to two inches of plywood over concrete CN51 & MC67 meet the same tumble spec requirements
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	2D Area Imager (SE4500-SR, DL, HD) and 8 MP Color Camera	Best-in-class motion tolerant imagers for fast bar code capture
Display	4.0" WVGA	3.5" VGA	Display brilliance: large, outdoor usable display with resistive multi-touch capability to easily view more information
Dimensions Weight (with Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g	77 x 162 x 34 mm 385 g	Smaller and lighter No "bump" extending out for the battery
Processor OS Memory	1.5 GHz - Dual Core OMAP4 Processor WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	1 GHz - TI OMAP4430 Dual Core CPU WEH 6.5 1 GB RAM, 8 GB ROM	Extremely fast computing and data lookup performance with ample storage memory Android support
Batteries	Standard 3,900 mAh; Smart Battery	Standard 3,600 mAh Backup Battery	Larger capacity for longer run-times and smart battery pack extends battery life
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	Compass, Accelerometer	Bluetooth v4 BLE (vs. BT v2.1) and GLONASS support




CN51 & MC65 Product Feature Comparison

Feature Comparison	Intermec CN51 	Motorola MC65 	CN51 Customer Benefits
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	UMTS HSDPA / HSUPA, CDMA EVDO - Rev A, 802.11 a/b/g, BT, GPS Yes	Bluetooth v4 BLE (vs. BT v2.1) and GLONASS support Latest WiFi standards 802.11n radio options
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	4ft - Multiple 4 ft. drops to concrete across the op. temp. range 5ft - Multiple 5 ft. drops to concrete at room temp. 6ft - Multiple 6 ft drops per MIL-STD 810G Tumble - 1000 1/2M tumbles at room temp. IP64	MC65's drop spec from 4 ft. comes closest to the CN51's drop spec from 5 ft. CN51 & MC65 meet the same tumble spec requirements
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	2D Area Imager (SE4500) and 3.2 MP Color Camera	Best-in-class motion tolerant imagers for fast bar code capture & higher resolution camera
Display	4.0" WVGA	3.5" VGA	Display brilliance: large, outdoor usable display with resistive multi-touch capability to easily view more information
Dimensions Weight (with Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g	77 x 162 x 34 mm 359 g	No "bump" extending out for the battery
Processor OS Memory	1.5 GHz - Dual Core OMAP4 Processor WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	600 MHz - Dual ARM Processors WEH 6.5 512 MB RAM, 1 GB ROM	Extremely fast computing and data lookup performance with ample RAM & storage memory Android support
Batteries	Standard 3,900 mAh; Smart Battery	Standard 3,600 mAh Backup Battery	Larger capacity for longer run-times and smart battery pack extends battery life
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	Compass, Accelerometer	




CN51 & MC55A Product Feature Comparison

Feature Comparison	Intermec CN51 	Motorola MC55A0 	CN51 Customer Benefits
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	No WAN Radio options. 802.11 a/b/g, BT No GPS No	Field switchable software definable radio for voice & data WAN communications Latest WiFi standards 802.11n radio options GPS for locations services applications
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	6ft - Multiple 6 ft drops per MIL-STD 810G Tumble - 1000 1/2M tumbles at room temp. IP64	CN51's tougher drop spec means it's more rugged MC55A uses up to 5 units to pass 26 drops to two inches of plywood over concrete at room temperature
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	1D Laser, 2D Scanner and 3.2 MP Camera	Best-in-class motion tolerant imagers for fast bar code capture
Display	4.0" WVGA	3.5" VGA	Display brilliance: large, outdoor usable display with resistive multi-touch capability to easily view more information
Dimensions Weight (with Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g (with WAN radio)	77 x 147 x 27 mm 315 g (with Standard Battery)	Class leading form factor and weight continues the winning CN50 tradition
Processor OS Memory	1.5 GHz - Dual Core OMAP4 Processor WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	806 MHz Marvell PXA 320 WM 6.5 256 MB RAM, 1 GB ROM	Extremely fast computing and data lookup performance with ample storage memory HTML5 browser support with WEH Android support
Batteries	Standard 3,900 mAh; Smart Battery	Standard 2,400 mAh Extended 3,600 mAh	Smart battery pack extends battery life
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	CCX v4, Accelerometer	




Competitive Comparison – Primary

Feature Comparison	Intermec CN51 	Motorola MC65 	Motorola MC67 
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	UMTS HSDPA / HSUPA, CDMA EVDO - Rev A, 802.11 a/b/g, BT, GPS Yes	UMTS HSPA+, CDMA EVDO - Rev A (Verizon only), 802.11 a/b/g/n, BT, GPS Yes
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	4ft - Multiple 4 ft. drops to concrete across the op. temp. range 5ft - Multiple 5 ft. drops to concrete at room temp. 6ft - Multiple 6 ft drops per MIL-STD 810G Tumble - 1000 1/2M tumbles at room temp. IP64	6ft - 6 ft. drops per MIL-STD 810G across the op. Temp. range 8ft - Multiple 8 ft. drops per MIL-STD 810G at room temp. Tumble - 1000 1/2M tumbles at room temp. IP65 and IP67
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	2D Area Imager (SE4500) and 3.2 MP Color Camera	2D Area Imager (SE4500-SR, DL, HD) and 8 MP Color Camera
Display	4.0" WVGA	3.5" VGA	3.5" VGA
Dimensions Weight (with Ext Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g	77 x 162 x 34 mm 359 g	77 x 162 x 34 mm 385 g
Processor OS Memory	1.5 GHz – TI OMAP4470 Dual Core CPU WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	600 MHz – Dual ARM Processors WEH 6.5 512 MB RAM, 1 GB ROM	1 GHz – TI OMAP4430 Dual Core CPU WEH 6.5 1 GB RAM, 8 GB ROM
Batteries	Standard 3,900 mAh; Smart Battery	Standard 3,600 mAh Backup Battery	Standard 3,600 mAh Backup Battery
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	Compass, Accelerometer	Compass, Accelerometer



Competitive Comparison – Primary cont.

Feature Comparison	Intermec CN51 	Motorola MC75A 	Psion EP10 
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	UMTS HSDPA, CDMA EVDO - Rev A, 802.11 a/b/g, BT, GPS No	UMTS HSPA +, CDMA EVDO - Rev A, 802.11 a/b/g/n, BT, GPS No
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	4ft - Multiple 4 ft. drops to concrete across the op. temp. range 5ft - Multiple 5 ft. drops to concrete at room temp. Tumble - 1000 1/2M tumbles at room temp. IP54	5 ft - 26 drops to polished concrete from 5 ft. 6 ft - Multiple drops at 6 ft Tumble - 1000 1/2M tumbles at room temp. IP54
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	1D Laser or 2D VGA Area Imager and 3.2 MP Camera	2D Area Imager and 3.2 MP Color Camera
Display	4.0" WVGA	3.5" VGA	3.7" VGA
Dimensions Weight (with Ext Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g	84 x 152 x 44 mm 422 g	78 x 158 x 30.6 mm 345 g
Processor OS Memory	1.5 GHz – TI OMAP4470 Dual Core CPU WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	806 MHz XScale PXA320 WM 6.5 256 MB RAM, 1 GB ROM	800 MHz TI AM3715 Sitara Processor (ARM Cortex A8) WEH 6.5 256 MB RAM, 2 GB ROM
Batteries	Standard 3,900 mAh; Smart Battery	Standard 3,600 mAh Extended 4,800 mAh	Standard 2,400 mAh Extended 3,600 mAh
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	CCX v4, Accelerometer, IrDA	CCX v4, Compass, Accelerometer, Gyroscope, Light Sensor, Proximity Sensors



Competitive Comparison – Primary cont.

Feature Comparison	Intermec CN51 	Datalogic Elf 	HON Dolphin 7800 
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	UMTS HSDPA, 802.11 a/b/g, BT, GPS No	UMTS HSPA + (voice & data), CDMA EVDO - Rev A (voice & data), 802.11 a/b/g/n, BT, GPS Yes (Gobi 3000; data only)
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	5 ft. – Withstands drops from 5 ft. to concrete IP64	5 ft - Multiple drops to concrete from 5 ft. Tumble - 1600 1M tumbles at room temp. IP64
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	1D Laser or 2D Wide Aspect Area Imager, 3.0 MP Camera	2D Area Imager and 3.0 MP Color Camera
Display	4.0" WVGA	3.5" VGA	3.5" VGA
Dimensions Weight (with Ext Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g	81 x 157 x 42 mm 415 g	76 x 157 x 33 mm 380 g
Processor OS Memory	1.5 GHz – TI OMAP4470 Dual Core CPU WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	624 MHz XScale PXA310 WEH 6.5 or CE 6.0 256 MB RAM, 256 MB ROM	800 MHz TI OMAP Processor WEH 6.5 or Android 2.3.4 256 MB RAM, 512 MB ROM
Batteries	Standard 3,900 mAh; Smart Battery	Standard 3,000 mAh Extended 5,000 mAh	Standard 2,300 mAh Extended 4,000 mAh
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	Accelerometer, RFID, Handle, TE, CCX v4	CCX v4, Accelerometer



CN51 & 70e Black Product Feature Comparison

Feature Comparison	Intermec CN51 	Honeywell Dolphin 70e Black 	CN51 Customer Benefits
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n, BT, A-GPS Yes	
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	4 ft – Multiple 4 ft drops to concrete, all axes, across the op. temp range Tumble - 1000 1/2M tumbles at room temp (standard battery); 300 1/2M tumbles at room temp (extended battery) IP54	CN51's tough drop & tumble specs means it's much more rugged
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	2D Area Imager and 5 MP Camera	Best-in-class motion tolerant imagers for fast bar code capture
Display	4.0" WVGA	4.3" WVGA Capacitive Touch Panel	Large, outdoor usable display with full keypad Resistive multi-touch capability for use when wet and when wearing gloves
Dimensions Weight (with Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g	73 x 134 x 18-24 mm 204-244 g	
Processor OS Memory	1.5 GHz - Dual Core OMAP4 Processor WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	1 GHz – Single Core OMAP Processor WEH 6.5 and Android 4.0 512 MB RAM, 1 GB ROM	Extremely fast computing and data lookup performance with ample storage memory
Batteries	Standard 3,900 mAh; Smart Battery	Standard 1,670 mAh Extended 3,340 mAh	Larger capacity for longer run-times
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	CCX v4, NFC, Accelerometer	

CN51 & MC45 Product Feature Comparison

Feature Comparison	Intermec CN51 	Motorola MC45 	CN51 Customer Benefits
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	HSDPA, No CDMA WAN Radio option. 802.11 a/b/g, BT, GPS No	Field switchable software definable radio for voice & data WAN communications Latest WiFi standards 802.11n radio options
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	6ft - Multiple 6 ft drops per MIL-STD 810G Tumble - 250 1/2M tumbles at room temp. IP64	CN51's tougher drop & tumble specs means it's much more rugged MC45 uses up to 5 units to pass 26 drops to two inches of plywood over concrete at room temperature
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	1D Laser and 3.2 MP Camera	Best-in-class motion tolerant imagers for fast bar code capture
Display	4.0" WVGA	3.2" QVGA	Display brilliance: large, outdoor usable display with resistive multi-touch capability to easily view more information
Dimensions Weight (with Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g	66 x 142 x 25 mm 247 g	
Processor OS Memory	1.5 GHz - Dual Core OMAP4 Processor WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	600 MHz ARM 11, MSM 7627 WEH 6.5 256 MB RAM, 1 GB ROM	Extremely fast computing and data lookup performance with ample storage memory Android support
Batteries	Standard 3,900 mAh; Smart Battery	Standard 3,080 mAh	Larger capacity for longer run-times and smart battery pack extends battery life
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	CCX v4, Proximity Sensor, Moto's RhoMobile HTML5	

CN51 & MC40 Product Feature Comparison

Feature Comparison	Intermec CN51 	Motorola MC40 	CN51 Customer Benefits
Communications Flexible Network Radio	UMTS HSPA+, CDMA EVDO - Rev A, 802.11 a/b/g/n and b/g/n, BT, GPS Yes	No WAN Radio options. 802.11 a/b/g/n, BT, No GPS No	Field switchable software definable radio for voice & data WAN communications GPS for locations services applications
Drop / IP	5 ft - 26 drops to concrete from 5 ft. across the op. temp. range Tumble - 1000 1/2M tumbles at room temp. IP64	4ft - Multiple 4 ft drops per MIL-STD 810G Tumble - 250 1/2M tumbles at room temp. IP54	CN51's tougher drop, tumble, & sealing specs means it's much more rugged MC40 uses up to 5 units to pass 26 drops from 4 ft. to two inches of plywood over concrete at room temperature
Scanner Camera	2D Area Imagers (EA30 & EA31) and 5 MP Auto Focus Color Camera	2D Area Imager and 8 MP Camera	Best-in-class motion tolerant imagers for fast bar code capture
Display	4.0" WVGA	4.3" WVGA Capacitive Touch Panel	Large, outdoor usable display with full keypad Resistive multi-touch capability for use when wet and when wearing gloves
Dimensions Weight (with Battery)	74 x 164 x 28 (base) -32 (top) mm 350 g (with WAN radio)	73 x 144 x 20 mm 258 g	
Processor OS Memory	1.5 GHz - Dual Core OMAP4 Processor WEH 6.5 and Android 4.1 1 GB RAM, 16 GB ROM	800 MHz - Dual Core OMAP4 Processor Android 2.3 1 GB RAM, 8 GB ROM	Extremely fast computing and data lookup performance with ample storage memory WEH and Enterprise-ready Android support
Batteries	Standard 3,900 mAh; Smart Battery	Standard 2,680 mAh; Smart Battery	Larger capacity for longer run-times
Other	CCX v4, GLONASS support, MDI, Verdex, Accelerometer, HTML 5 browser, Intermec Launcher, Scan Handle	CCX v4, Proximity Sensor, Accelerometer	