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		Casio			CipherLab		Datalogic	Handheld
		DT-X8	IT-300	IT-800	CP55	9700	Joya GP	
								
Operating System		Windows® Embedded CE 6.0 R3	Windows® Embedded Handheld 6.5	Windows Mobile 6.5	Windows® Embedded Compact 7, Windows® Embedded Handheld 6.5.3	Windows® CE 6.0 R3	Windows CE 6.0 (Pro available on request)	Android 4.0 (Ice Cream Sandwich) or Windows Embedded Handheld 6.5
Processor		Marvell® PXA320 624MHz	Marvell® PXA320 624MHz	Marvell® Xscale Processor PXA320 624MHz (maximum)	TI OMAP™ 4430 1GHz Dual Core	TI OMAP™ 3730 1GHz	XScale™ PXA310 @ 624 MHz	Texas Instruments OMAP 4430 1 GHz dual-core
Memory	RAM	128MB	256MB	128MB	512MB LPDDR2 SDRAM	4GB Nand FLASH	256 MB	1 GB
	ROM	256MB	256MB	256MB	4GB Flash	512MB DDR	1GB Flash	4 GB Flash
SD Slot		Micro	Micro	Micro	Micro	Micro	N/A	MicroSD, SDHC
Drop Spec		3.0m	1.5m	1.5m	5ft	1.8m	1.2m	4ft
Ingress Protection		IP67	IP54	IP54	IP65	IP65	N/A	IP67
WLAN		802.11b/g	802.11b	802.11b/g	802.11 a/b/g/n	IEEE 802.11 a/ b/ g/ n	IEEE 802.11 b/g/n	802.11 b/g/n
PAN		BT v2.0 + EDR	BT v2.0 + EDR	BT v2.0 + EDR	BT v2.1 + EDR	BT v2.1 + EDR	BT v2.1 + EDR	
WWAN		No	No	HSDPA, UMTS, EGPRS (EDGE), GPRS, GSM	GSM / GPRS / EDGE / WCDMA / HSDPA / HSUPA	N/A	N/A	2G: GSM/GPRS/EDGE, UMTS / HSPA+ or CDMA EV-DO Rev.A (800 MHz, 1900 MHz)
GPS		No	No	Yes	Yes	N/A	N/A	Integrated u-blox®, WAAS/EGNOS/MSAScapable, G-Sensor, E-Compass
Imager		1D Imager	1D Area Imager	1D, 2D, 2D Stacked	Linear / Laser / Long range laser / 2D	1D, 2D	2D	No
Camera				2.0MP	5MP	N/A	N/A	5MP
Keypads		Numeric, Touch	Numeric, Touch	Numeric	Numeric or QWERTY	Numeric and Alpha + Numeric	6 programmable	Touchscreen
Batteries		Li-ion	Li-ion	3.7V/1,850 mAh	3.7V 3300 mAh Li-ion	Li-ion 3.7 V, 3600 / 5400 mAh	Li-ion 3.7 V, 2300 mAh	1530 mAh Li-Ion
Dimensions		65.7 x 187.0 x 32.4	76x155x19.6	78x159x25.3	182 x 77.5 x 37 mm	214 x 87 x 47	149 x 73 x 44	125 x 65 x 15mm
Weight		282g	215g	265 to 340g (model dependent)	400g	445g (3600 mAh) / 478g (5400 mAh)	255 g	180g
Display		2.7" LCD	3.7" VGA	3.7" VGA	3.5" TFT	3.5" QVGA	2.8" TFT-LCD	4" WVGA
RFID		Yes	None	None	ISO14443A& B, and 15693 & SAM slots	N/A	N/A	
Notes							Available with different sets of features	

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		Honeywell				Janam		M3		
		Dolphin 60s	Dolphin 7800	Dolphin 70E Black	CN51	XM5	XM70	Orange	OX10 1G	
										
Operating System		Windows® Embedded Handheld 6.5	Windows Embedded Handheld 6.5	Windows Handheld 6.5 or Android 4.0	Windows Handheld v6.5 or Android v4.1	Android 4.2 or Microsoft Windows Embedded Handheld 6.5	Android 5.x Lollipop or Windows 10	Android 4.1.2 or Microsoft Windows Mobile 6.5	Windows Mobile 6.5	Windows Embedded Handheld 6.5 / CE 6.0
Processor		TI AM3715 CortexA8 800 MHz	800MHz TI OMAP	1GHz Single Core TI OMAP	Texas 1.5 GHz OMAP 4470 dual core	ARM Cortex-A8 @ 1GHz	Quad-core Qualcomm MSM8916 CPU @1.2GHz	ARM Cortex-A8 CPU @1GHz	PXA320 @ 806MHz	CPU 1GHz
Memory	RAM	256 MB	256MB	512MB	1GB	512MB	1GB or 8GB (WLAN)	1GB SDRAM	256MB	512MB
	ROM	512MB	513MB	1GB	16GB	1GB	2GB/16GB (WWAN)	4GB NAND	1GB Upgradeable	4GB
SD Slot		Micro USB 2.0	Micro	Micro	SD	Micro SD	USB 2.0	Micro SD	Mini	Micro SD
Drop Spec		4ft	5ft	4ft	1.5m	5ft	5 ft	4ft	5ft	5ft
Ingress Protection		IP54	IP64	IP54	IP64	IP65	IP67	IP54	IP65	IP65
WLAN		IEEE 802.11 b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g	802.11 a/b/g/n
PAN		BT v2.1+EDR	2.4 GHz (ISM) + EDR	BT v2.1	BT v2.1 + EDR			BT v2.1	BT v2.0 + EDR	BT v2.1 + EDR
WWAN		UMTS/HSPA+ & GSM/GPRS/EDGE, HSPA 3GPP	GSM/GPRS/EDGE CDMA, EVDO, HSPA	HSPA+ - 3.9G	UMTS / HSPA+	UMTS/HSPA+ /HSDPA/ HSUPA/GSM	EDGE/GPRS/GSM; WCDMA; LTE	Authentication: EAP or PSK. Encryption: WPA2, WPA, WEP - 40 bit and 128-bit keys	HSDPA - 3.5G	GSM / GPRS / EDGE (2G). UMTS / HSPA+ (3.5G)
GPS		Yes	Yes	Yes	Integrated	U-Blox GPS and Assisted GPS	Qualcomm® IZat™	N/A	Yes	Integrated
Imager		1D / 2D	1D, 2D Imager	2D Imager	ScanNGo	Choice of 1D/2D imager or 1D laser scanner	1D, 2D	1D, 2D	1D Laser 2D Imager	1D / 2D
Camera		5 MP	3MP	5MP	Optional	5MP	8.0MP rear, 2.0MP front	N/A	3MP	5MP
Keypads		Numeric or QWERTY	36 Numeric, 46 QWERTY	Numeric or QWERTY	(27 Key) Numeric or (43 Key) QWERTY	Resistive touch	Capacitive touch	Numeric or PDA	Numeric or QWERTY	31 key Alpha-Numeric; 50 key QWERTY
Batteries		Li-ion 3.7 V, 3340 mAh	Standard: Li-Ion, 2300 mAh	4,000 mAh	3.7V, 3900 mAh	Li-ion 4000mAh	Li-Ion 3000mAh (4000mAh opt.)	2400mAh or 4000mAh Li-Ion	3,300 mAh	Li-Ion 3.7V 3,300mAh
Dimensions		136 x 66 x 28.7mm	157 x 76 x 28	80 x 169 x 34	164 x 74 x 28	156.9 x 75.6 x 25.8	155 x 83 x 24	30.5 x 79 x 146	77 x 169 x 28	78.6 x 165.5 x 38.9 (with UHF reader)
Weight		246.6g	324g	450g	350 g	305g	279g (293g inc MMR)	279g	324g	332g - 389g
Display		7.1cm QVGA Colour	3.5" VGA	3.5" VGA	10.16 cm	3.5" TFT VGA	5.0" HD	3.5" Color TFT	3.5" QVGA	3.5" VGA TFT
RFID			None	No		Yes	Yes	Yes	Integrated Reader	
Notes				Accelerometer Digital Compass					IrDa Connection	

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	Nautiz	Newland	Opticon		Pideon		Trimble	Zebra	
	X8	PT60 Narvalo	H32	HM50	BP30	BM180	Juno 5	MC55X	
									
Operating System	Windows Embedded Handheld 6.5.3 Android 4.2.2	Windows CE.NET 6.0	Windows Embedded Compact 7	Windows Mobile 6.5 Android	Android 4.2. Windows Embedded 8 Handheld	Android 4.2. Windows Embedded 8 Handheld	Windows Mobile 6.5 or Android 2.3.4	Windows Mobile 6.5 Classic	
Processor	Texas Instruments 4470 dual-core @ 1.5GHz	Marvell XScale PXA310, 806MHz	AM3354 ARM Cortex A8, 800 MHz	1 GHz	Dual Core 1.GHz	Dual Core 1.5GHz	TI DM3730 @ 800MHz (Juno 5B) or 1GHz (juno 5D)	Dual Core 800MHz OMAP 4	
Memory									
	RAM	1GB	256MB	256 MB	256MB	1GB	1GB	256MB (5B), 512MB (5D)	512MB
	ROM	4GB	128MB	256 MB	512MB	8GB	8GB	8GB (5B), 16 (5D)	2GB Flash
SD Slot	SIM (user accessible) MicroSD/MicroSDHC slot	Micro USB 2.0	MicroSDHC	Micro	Micro USB	Micro USB	Micro	Micro SD	
Drop Spec	4ft	1.2m	5ft	6ft	6ft	4ft	4ft	6ft	
Ingress Protection	IP67	IP 54	IP 54	IP65	IP67	IP67	IP65	IP64	
WLAN	802.11 b/g/n	802.11 b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	8.2.11 a/b/g/n	8.2.11 a/b/g/n	802.11 b/g/n	802.11 a/b/g/n	
PAN		BT Class II V2.0	BT v2.1 + EDR	BT v2.1			BT v2.1 + EDR	BT v2.1 + EDR	
WWAN				HSPA - 3.8G	Optional HSPA+/HSPA/UMTS,EDGE/GSM	Optional HSPA+/HSPA/UMTS,EDGE/GSM	HSPA+	EN300 328, EN301 893	
GPS	Integrated with stand-alone u-blox® GPS		No	Yes	Integrated AGPS	Integrated AGPS	Yes	No	
Imager	No	1D / 2D	1D / 2D / Postal	1D / 2D	Optional 2D	Optional 2D		1D, 2D	
Camera	8MP rear	No	No	5 MP	8MP Rear, 1.3MP Front	8MP Rear, 1.3MP Front	8MP	8MP	
Keypads	Numeric with 3 programmable function keys	33 keys (side keys included)	26 keys total, 12 key (alpha) numeric keypad	Numeric or QWERTY	Touchscreen	Touchscreen	On screen	Touchscreen / QWERTY; Numeric	
Batteries	Li-Ion, 3.7V 5200mAh	Li-Polymer 3.7V, 3800mAh	Lithium-Ion 3.7V 1800mAh (sold separately)	Li-Ion 3.7V, 3600 mAh	3.7V Li-Ion 4500 mAh	3.7V Li-Ion 3000 mAh	Li-Ion 3.7V, 3300 mAh	Li-Ion 3.7V, 3600 mAh	
Dimensions	190.9 x 79.7 x 34.6	166 x 73 x 26	64 x 143 x 28	75.8x154x28.6	78 x 158.3 x 22.5	78 x 152 x 16.7	155 x 82 x 25	149 x 78 x 37	
Weight	490g	303g (inc battery)	195 g	371g	361g	261g	400g	365g with battery	
Display	4.7" FWVGA	3.7" WVGA	2.8" Transflective QVGA	3.5" TFT-LCD	5"	5"	4.3" WVGA	3.5" Colour VGA	
RFID	No		None		ISO1443A&B, ISO15693	ISO1443A&B, ISO15693	UMTS / HSPA+, GSM / GPRS / EDGE	EN 50360, EN 50566, EN62311	
Notes								USB 2.0 high speed (host and client) connector	