




		Casio	CipherLab	Datalogic			Handheld		
		IT-G400	RS 30	DL -Axist™	Joya Touch™ A6	Skorpio™ X4	Nautiz X1	Nautiz X4	Nautiz X8
									
Operating System		Android 6.0.1 with GMS	Android 4.4	Android 4.4.4	Google Android 6.0 Marshmallow (field upgradeable to Android 7.1 Nougat)	Android v4.4 or Windows Embedded Compact 7	Android 4.0 (Ice Cream Sandwich) or Windows Embedded Handheld 6.5	Windows® Embedded Handheld 6.5 Professional. Android 4.2.2	Windows® Embedded Handheld 6.5.3 Android 4.2.2
Storage		2GB	8GB Flash / 1GB RAM	1GB RAM	2 GB/ 16GB Flash	1GB / 8GB Flash	1 GB RAM/4 GB Flash	512 MB RAM/1 GB Flash	1 GB RAM/4 GB INAND Flash
Processor		ARM® Cortex®-A53, 1.2 GHz	Cortex 1.3 GHz Quad Core	OMAP 4430 @ 1 GHz Dual Core	Qualcomm Snapdragon Quadcore 1 GHz	Ti OMAP4 @ 1 GHz	Texas Instruments OMAP 4430 1 GHz dual-core	Texas Instruments AM3715 1 GHz	Texas Instruments 4470 dual-core @ 1.5GHz
Memory	RAM	2GB	1GB	1GB	2GB	1GB	1 GB	512 MB	1GB
	ROM	16GB	8GB	8GB	16GB Flash	8GB Flash	4GB	1GB	4GB
IO interface		USB, SDHC, SIM	2 SIM slots and 1 SAM slot. Micro SD card with SDHC (up to 32GB)	Micro-USB: High Speed USB 2.0 Host and Client; Ethernet	Micro-USB 2 SDXC card slot (not user accessible)	SDHC	MicroSD, SDHC	SIM, MicroSD/MicroSDHC (user accessible)	SIM (user accessible) MicroSD/MicroSDHC slot
Drop Spec		1.5m	4ft	6ft	4ft	6ft	4ft	4ft	4ft
Ingress Protection		IP65	IP54	IP67	N/A	IP64	IP67	IP65	IP67
WLAN		802.11 a/b/g/n	802.11 b/g/n	802.11 a/b/g/n MIMO+	802.11 a/b/g/n	802.11a/b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
WWAN	2G	LTE FDD&TDD, WCDMA, EGPRS (EDGE), GPRS, GSM. Model dependent	GSM/GPRS/EDGE/WCDMA/HS-DPA /HSUPA/HSPA+GSM/GPRS/EDGE; UMTS/HSDPA/HSUPA				GSM/GPRS/EDGE, UMTS/HSPA+ or CDMA EV-DO Rev. A (800 MHz, 1900 MHz)	3.8G GSM HSPA+/HSUPA or CDMA EVDO Rev. A	
	3G			3G/4G (HSPA+): 850/900/1800/1900/2100				3.8G GSM HSPA+/HSUPA or CDMA EVDO Rev. A	Voice and data, 3.8G GSM. HSPA+/HSUPA or CDMA EVDO Rev. A
	4G			See above					
GPS		Integrated	Integrated with A-GPS ready	Integrated with A-GPS			Integrated u-blox®, WAAS/EGNOS/MSAScapable, G-Sensor, E-Compass	Integrated with u-blox®	Integrated with stand-alone u-blox® GPS
Imager		1D / 2D	Linear / Laser / 2D	1D / 2D / Postal / Stacked	1D/2D/POSTAL / DIGITAL WATERMARKS	1D / 2D / Postal / GS1 Composite	No	1D Laser or 2D Imager	No
Camera		2MP front, 8MP back	8MP with user-controllable flash	5MP with user-controllable flash			5MP	5MP	8MP rear
Keypads		Touchscreen	Capacitive touch with fingertip	Physical: Home/Scan and 2 side scan keys. Power / Volume/ 3 programmable. Touchscreen	Capacitive, multi-touch	28 numeric, 38 functional or 50 Alphanumeric	Touchscreen	Resistive Touch	Numeric with 3 programmable function keys
Batteries		3.85 V li-ion	3.7V 2500 mAh Li-ion	3.8 V; 3200 mAh or 6400 Li-ion	Wireless charging	Li-Ion, 3.7V, 3000mAh	1530 mAh Li-Ion	Li-ion rechargeable 4000 mAh	Li-Ion, 3.7V 5200mAh
Dimensions		82 x 158 x 24	155 x 80 x 17.3 mm	157 x 80 x 19mm	Pistol-Grip: 145 x 77 x 116	193 x 76 x 42	125 x 65 x 15mm	156 x 74 x 25.5	190.9 x 79.7 x 34.6 mm
Weight		325g	260g with battery	350.0 g	Pistol-Grip: 305.0 g	up to 516g	180g	330g	490g
Display		5" TFT LCD	4.7" qHD 540 (W) x 960 (H)	5" TFT HD resolution 720 x 1280	4.3" full touch TFT-LCD	3.2" TFT	4" WVGA	3.5" VGA High Brightness	4.7" FWVGA
RFID		NFC. ISO 14443 type A/B. ISO 15693, I-CODE, SLI	HF RFID 13.56 MHz ISO14443A, ISO14443B, and ISO15693	NFC				No	No

		Honeywell				M3	Janam		
		CN51	Dolphin CT50	Dolphin 70E Black	Dolphin 75e	ScanPal EDA50	SM15X	XM5	XM 70
									
Operating System		Windows Handheld v6.5 or Android 6.0 Marshmallow with GMS	Windows 10 IoT Mob Ent, Android 6.0 Marshmallow	Windows® Embedded Handheld 6.5; Android 4.0	Windows 10 IoT Mobile Ent., Android 6.0 Marshmallow	Android 4.4.4	Android 7.1 (Android 8.x is scheduled)	Android 4.2 or Microsoft Windows Embedded Handheld 6.5	Android 4.1.2 or Microsoft Windows Mobile 6.5
Storage		1GB	2GB	512MB	2GB	2GB	4GB	512MB	1GB SDRAM
Processor		Texas 1.5 GHz OMAP 4470 dual core	2.2GHz Qualcomm Snapdragon 801 Quad	1GHz Single Core T1 OMAP	2.26GHz quad core Qualcomm	Qualcomm Snapdragon 410 Quad	2.2 GHz Octa Core	ARM Cortex-A8 @ 1GHz	ARM Cortex-A8 CPU @1GHz
Memory	RAM	1GB	2GB	512MB	2GB	2 GB	4GB	512MB	1GB SDRAM
	ROM	16GB	16GB Flash	1GB	16GB Flash	8GB Flash	32GB	1GB	4GB NAND
IO interface		SD	Micro	Micro SD	Micro SD, Micro USB	MicroSDHC (up to 32 GB)	Mico USB, Micro SD	Micro SD	Micro SD
Drop Spec		5ft	8ft	4ft	4ft	4ft	1.2m / 1.5m (with protector)	5ft	4ft
Ingress Protection		IP64	IP67	IP54 or IP67	IP67	IP54	IP65	IP65	IP54
WLAN		802.11 a/b/g/n	802.11 b/g/n/ac	IEEE 802.11 a/b/g/n	IEEE 802.11 a/b/g/n/ac	802.11 a/b/g/n radio	802.11 a/b/g/n/ac	802.11a/b/g/n	802.11a/b/g/n
WWAN	2G				No WWAN configuration	GSM & EDGE: Band 3/ Band 8; WCDMA: Band 1/Band 8; Non-GCF	GSM/GPRS/ EDGE(850/900/1800 MHz)	UMTS/HSPA+/HSDPA/HSUPA/ GSM	Authentication: EAP or PSK. Encryption: WPA2, WPA, WEP - 40 bit and 128-bit keys
	3G	UMTS / HSPA+ / GSM/GPRS/EDGE	Quad (Bands 1, 2, 5, 8)	HSPA+ -3.9G			3.8G UMTS/HSPA+(850/2100 MHz)	UMTS/HSPA+/HSDPA/HSUPA/ GSM	
	4G		Quad (Bands 2, 4, 5, 17)				FDD LTE (850 / 900 / 1800 / 2100/ 2600 MHz)		
GPS		Integrated	GNSS Receiver and GLONASS	Yes	No		A-GPS, GLONASS, BEIDOU	U-Blox GPS and Assisted GPS	N/A
Imager		2D / ScanNGo	1D / 2D	1D / 2D	1D, 2D	Hi2D Imager	1D Laser, 2D Imager	Choice of 1D/2D imager or 1D laser scanner	1D, 2D
Camera		5MP Optional	8MP	5MP	8MP	5MP	5MP Front, 16MP Rear	5MP	N/A
Keypads		(27 Key) Numeric or (43 Key) QWERTY	Side scan triggers, volume up/dn, camera, power	Dedicated scan, 4 programmable, volume, side scan, Virtual Keypad	Multi-touch	Multi-touch capacitive	Wet-touch / Glove-touch / Pen touch	Resistive touch	Numeric or PDA
Batteries		3.7V, 3920 mAh	Li-Ion, 3.6V 4040mAh	Li-ion 3.7 V, 1670mAh (stndrd) 3340mAh (Ext)	Li-ion 3.7 V, 1670mAh (stndrd) 3340mAh (Ext)	Li-Ion, 3.8V, 4000mAh	Li-ion 3.8V 4,100mAh, Extended: 3.8V 6,150mAh	Li-ion 4000mAh	2400mAh or 4000mAh Li-Ion
Dimensions mm		164 x 74 x 28	160 x 82.5 x 19	73 x 134 x 18	134 x 73 x 18 stndrd	153.5 x 78.9 x 18	76.4 x 154.8 x 21.6	156.9 x 75.6 x 25.8	30.5 x 79 x 146
Weight		350 g	342g	204g (stndrd)	204g stndrd	270 g	Stndrd : 280g , Ext : 340g	305g	279g
Display		101.6mm	4.7"	4.3"	4.3" WVGA	5"	5" HD	3.5" TFT VGA	3.5" Color TFT
RFID				No	No		Yes	Yes	Yes

Janam (continued)		Zebra								
XT2		TC20	TC51	TC55	TC70	TC75	MC40	MC67	TC8000 Touch	
										
Operating System		Android 5.x Lollipop or Windows 10	Android Nougat 7.X	Android 6.0 Marshmallow	Android 4.1.2; Android 4.4.31 with Mobility Extension	TC70: Android 5.1 Lollipop TC70x: Android 6.0 Marshmallow	TC75: Android 5.1 Lollipop TC75x: 1.8 GHz hex core 64 bit	Android 5.1 Lollipop	Android Jelly Bean 4.1 or Android KitKat 4.4	Android AOSP 4.4.3 (KitKat) with Mobility Extensions (Mx)
Storage		1GB or 8GB	2GB	2 GB	1 GB RAM/8 GB Flash	TC70:1GB.70x:2GB	TC75:1GB.75x:2GB	1GB	1 GB RAM/8 GB Flash	1GB
Processor		Quad-core Qualcomm MSM8916 CPU @1.2GHz	QCOMM MRM8937® 64-bit 8-Core, ARM® Cortex A53 1.4GHz	Snapdragon 650 64-bit hexa-core 1.8GHz ARM Cortex A72	Dual core 1.5GHz	TC70: Dual Core 1.7GHz TC70x: 1.8 GHz hex core 64 bit	TC75: Dual Core 1.7GHz TC75x: 1.8 GHz hex core 64 bit	1 GHz OMAP 4 dual core	Premium models: Dual core 1GHz OMAP 4. Base Dual Core 800 MHz OMAP 4	Dual core 1.7 GHz
Memory	RAM	1GB or 8GB (WLAN)	2GB	2GB	1GB	TC70: 1GB. TC70x: 2GB	TC75: 1GB. TC75x: 2GB	1GB	1GB	1GB
	ROM	2GB/16GB (WWAN)	16GB Flash	4GB	8GB Flash	TC70: 8GB. TC70x: 16GB	TC75: 8GB. TC75x: 16GB	8GB	8GB Flash	4GB / 8GB
IO interface		USB 2.0	Micro SD	MicroSD	Micro SD	32GB Micro with SDHC and SDXC support	MicroSD up to 32GB SDHC and up to 64GB SDXC	Micro SD	Micro SD	Micro SD
Drop Spec		5 ft	4ft	4ft (5ft with rugged boot)	4ft	6ft	6ft	4ft	1.6ft	8ft
Ingress Protection		IP67	IP54		IP67	IP67	IP67	IP54	IP65 & IP67	IP65
WLAN		802.11a/b/g/n	802.11 a/b/g/n/ad/d/h/i/r	802.11 a/b/g/n/ac/d/h/i/r	802.11a/b/g/n	8.2.11 a/b/g/n/d/h/i	802.11a/b/g/n/d/h/i/k/r	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n/d/h/i
WWAN	2G	EDGE/GPRS/GSM; WCDMA; LTE	Worldwide: LTE: 700,800/850/900/1800/2100/2600 (FDD 28,20,5,8,3,1,7); UMTS/HSPA/HSPA+: 850/900/1900/2100; GSM/GPRS/EDGE: 850/900/1800/1900	Worldwide: HSPA+: 900/2100/850/1900 MHz EDGE/ GPRS/GSM: 850/900/1800/1900 MHz		Worldwide: LTE: 800/850/900/1800/2100/2600 (FDD 20,5,8,3,1,7) UMTS/HSPA/HSPA+: 850/900/1900/2100 GSM/GPRS/EDGE: 850/900/1800/1900			4G HSPA+	
	3G									
	4G									
GPS		Qualcomm® IZat™		TC56 only	Assisted, GLONASS		Integrated	No	Yes	No
Imager		1D, 2D	1D, 2D	1D, 2D	1D, 2D	1D and 2D	1D and 2D		2D Imager	1D, 2D
Camera		8.0MP rear, 2.0MP front	8MP rear	13MP rear	8MP	8MP Rear, 1.3MP Front	8MP Rear, 1.3MP Front	8MP rear	8MP	8MP autofocus
Keypads		Capacitive touch	All-touch or touch and keyboard	Touchscreen	Capacitive touch	Touchscreen	Touchscreen		Numeric, QWERTY, DSD	On-screen
Batteries		Li-Ion 3000mAh (4000mAh opt.)	3000mAh Li-Ion	Li-ion 4300 mAh	Li-Ion 2940 mAh standard	Li-Ion 3.7 V, 4620 mAh	Li-Ion 3.7 V, 4620 mAh	Li-ion 3.7V, 2680 mAh	Li-ion 3.7V, 3600 mAh	Li-Ion 6700 mAh
Dimensions mm		155 x 83 x 24	All-touch 134 x 73.1 x 16. With keyboard: 164 x 73.1 x 16	155 x 75.5 x 18.6	137 x 69 x 15.9	161 x 84 x 28 mm	161 x 84 x 28 mm	144 x 72.8 x 31.8	77 x 162 x 33.5	233 x 76 x 64
Weight		279g (293g inc MMR)	All-touch 195g. With keyboard 215g.	249g with battery	220g standard	376g	376g	266g	385g	490 g; 500g
Display		5.0" HD	4.3" WVGA	5" HD	4.3" WVGA	4.7"	4.7"	4.3" capacitive	3.5" VGA	4" Multi-touch
RFID		Yes	Yes							

		Pideon			Seals	Handheld Android					
		BiP-600	BP30	BM180	TS3	Opticon H27	Toughshield R-500	Toughshield T700	Trimble TDC100	Trimble Juno T41	Trimble Juno 5
											
Operating System		Android 2.3	Android 4.2.Windows Embedded 8 Handheld	Android 4.2.Windows Embedded 8 Handheld	Android 2.3.6	Android 4.2.2	Android OS	Android 4.2.2 Jelly Bean	Android® 6.0 (Marshmallow)	Android 4.1"Jelly Bean"	Android 4.1 "Jelly Bean"
Storage		Up to 32GB with Micro SD	1GB	1GB	512MB	8G		16GB	2GB	512MB	256MB (5B),512MB (5D)
Processor		PXA 320, 806MHz	Dual Core 1.GHz	Dual Core 1.5GHz		Qualcomm MSM8960 Dual core Krait 1.5GHz		MTK6589 Quad Core @ 1.2GHz	1.2 GHz Qualcomm™	800 MHz or 1 GHz, Texas Instruments DM3730	TI DM3730 @ 800MHz (Juno 5B) or 1GHz (juno 5D)
Memory	RAM	256MB	1GB	1GB	512MB	DDR2 1GB		16GB	2GB SDRAM	512MB	256MB (5B),512MB (5D)
	ROM	512MB	8GB	8GB	512MB	up to 32GB		1GB	16 GB (4G) and 8 GB (Wi-Fi model)	8, 16 or 32 GB	8GB (5B), 16 (5D)
IO interface		Micro SD ,RS-232C, USB 2.0 Host & Client, Ethernet via cradle	Micro USB	Micro USB		Micro SD		Micro SD	MicroSDHC	Micro SD	Micro
Drop Spec		6ft	6ft	4ft		5ft		3.3ft	4ft	4ft	4ft
Ingress Protection		IP65	IP67	IP67	IP68	IP54		IP68	IP67	IP65	IP65
WLAN		IEEE 802.11b/g, a/b/g (opt)	8.2.11 a/b/g/n	8.2.11 a/b/g/n	IEEE 802.11b/g	802.11 a/b/g/n/ac			802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
WWAN	2G	GSM/GPRS/eGPRS(850, 900, 1800, 1900MHz)				850/900/1800/1900	GSM Quadband			UMTS / HSPA+, GSM / GPRS / EDGE	UMTS / HSPA+, GSM / GPRS / EDGE
	3G	UMTS/HSDPA(850, 1900, 2100MHz)	Optional HSPA+/HSPA/UMTS,EDGE/GSM	Optional HSPA+/HSPA/UMTS,EDGE/GSM	HSDPA/WCDMA, 900/2100Mhz	850, 900, 1700, 1900, 2100	HSDPA 900 / 2100				
	4G							4.0(LE) WCDMA:2100/900/1900MHz. GSM: 850/900/1800/1900MHz	GSM, GPRS, EDGE, UMTS, CDMA, WCDMA, HSPA, TD-SCDMA, LTE-FDD, LTE-TDD) (N/A on Wi-Fi)		
GPS		AGPS and DGPS	Integrated AGPS	Integrated AGPS	GPRS	Integrated	GPRS	A-GPS	GPS L1 C/A	GPS/SBAS	Yes
Imager		1D laser / 2D Imager	Optional 2D	Optional 2D		1D, 2D		1D, 2D		1D, 2D	
Camera		3MP LED Flash	8MP Rear, 1.3MP Front	8MP Rear, 1.3MP Front	5MP Flash	5 MP	5MP	8MP rear, 2MP front	13MP (4G); 8PM (Wi-Fi)	8MP Flash	8MP
Keypads		QWERTY key & Touchscreen	Touchscreen	Touchscreen	Touchscreen	Touchscreen	Touchscreen	Touchscreen	Multi touch	Touchscreen	Touchscreen
Batteries		4,400mAh, Li-ion Smart	3.7V Li-Ion 4500 mAh	3.7V Li-Ion 3000 mAh	Li-Ion 1780 mAh	Li-ion 3.7V 2860mAh		6000mAh Li-Ion	3100mAh (Wi-Fi); 4800mAh (4G)	Lithium-ion 3.3Ah	Li-Ion 3.7V, 3300 mAh
Dimensions mm		80 x 160 x 35.5mm	78 x 158.3 x 22.5	78 x 152 x 16.7	125 x 65 x 17.4	77 x 147 x 19		212.5 x 135.5 x 19.8	164 x 82 x 14.6	155 x 82 x 25mm	155 x 82 x 25
Weight		407g	361g	261g	209g	244 g		610g	310g	0.4kg	0.4kg
Display		480 x 640 3.5 inch	5"	5"	3.5"	4.3"		7" TFT	5.3"	4.3"	4.3" WVGA
RFID		Yes	ISO1443A&B, ISO15693	ISO1443A&B, ISO15693						865–868 MHz or 902–928 MHz	865–868 MHz or 902–928 MHz

For further information contact us at: **t:** 01928 718800 **email:** helen.jones@spiritdatacapture.co.uk **www:** www.spiritdatacapture.co.uk

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