























	Armor	Casio	Chainway	FreshTech		Getac		
	X7ad	V-T500	P80	Rugged 8" tablet	Rugged 10" tablet	MX50	Z710	ZX70
								
Operating System	Android 3.2	Android 4.0	Android 7.1	Windows 10/ 10 Pro/ Android 5.1	Windows 10/ 10 Pro/ Android 5.1	Android 5.1	Android 4.1	Android 6.0
Processor	NVIDIA Tegra™ 2 1.0 GHz Dual Core	OMAP 4460 1.5GHz Dual-core	Qualcomm 2.0GHz MSM8953	Intel cherrytrail Z8350	Intel cherrytrail Z8350/Z8300	Intel® Atom® Z8350 1.44GHz	OMAP 4430 Dual Core 1 GHz	Intel® Atom™ x5-Z8350 1.44GHz, burst up to 1.9
Memory	RAM 1GB DDR2 SDRAM	1GB	2GB or 3GB	2GB / 4GB	2GB / 4GB	2GB LPDDR3	1GB MDDR	2GB
	ROM 16GB eMMC Flash	16GB	16GB or 32GB	32GB / 64GB(16GB/32GB/128GB Optional)	32GB / 64GB(16GB/32GB/128GB Optional)	64GB / 128GB	16GB NAND flash	4GB eMMC 32GB / 64GB
SD Slot	MicroSD	Micro SD, MicroSDHC	Micro SD	Micro USB, HDMI	Micro USB, HDMI	Micro SD	Micro SD (up to 32GB)	Micro S
Drop Spec	4ft	1m	1.5m	Shock & vibration	Shock & vibration	5ft	6ft	6ft
Ingress Protection	IP65	IP54	IP65	IP67	IP65	IP67	IP65	IP67
WLAN	802.11 b/g/n	802.11a/b/g/n	802.11 a/b/g/n/ac	802.11 ac/b/g/n	802.11 ac/b/g/n	802.11 a/b/g/n	802.11 b/g/n	802.11 a/b/g/n
PAN	BT v2.1 + EDR	v4.0	4.2/4.1+HS/4.0/3.0+HS/2.1+EDR	v4.0	v4.0	v4.0	BT v2.1 + EDR	BT v4
WWAN	GSM/GPRS/EDGE, UMTS/HSDPA/HSUPA or CDMA optional	HSPA/UMTS/EGPRS (EDGE)GPRS	2G: 850/900/1800/1900MHz, GPRS, EDGE. 3G: CDMA EVDO:BC0; TD-SCDMA: B34/B39; WCDMA: B1/B2/B5/B8. 4G: TDD-LTE: B38/B39/B40/B41; FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B26/B28	3G WCDMA / 4G LTE	3G WCDMA / 4G LTE		Optional 3G (HSPA+/UMTS/GSM/GPRS/EDGE)	Optional
GPS	Yes	16-channel receiver	GPS/AGPS, GLONASS, BeiDou	GPS/BeiDou	GPS/BeiDou	Yes	Yes - with internal antenna	Dedicated GPS
Imager	No		1D / 2D			No	No	Optional
Camera	1.3 MP Front, 5.0 MP Rear	Front: 5.0 MP Rear: 5MP with LED light	13MP rear. 8MP front (optional)	2.0MP front; 5.0MP rear	2.0MP front; 5.0MP rear	8MP rear	HD Web 5M pixels auto focus	8MP rear
Keypads	Touch screen	Touch Screen	Multi touch	8" Dragontrail Glass Capacitive Touch	10" Gorilla Glass Capacitive Touch	Touch Screen	Glove-friendly capacitive touchscreen	Capacitive multi-touch
Batteries	3700 mAh	Lithium-Polymer (7000 mAh)	Li-ion, 8000mAh	3.7V/7500mAh	3.7V/7500mAh	Li-Ion 3.7V, 4200mAh	Lithium-Polymer (7600mAh)	Li-Ion 3.8V, 8400mAh
Dimensions (mm)	214 x 132 x 21	190 x 269 x 14.4	250.8 x 152 x 15	220 x 143 x 14	267 x 183 x 16	188 x 105 x 18	27.4 x 21.8 x 14.2	218 x 142 x 27
Weight	0.60 Kg	780g	700g	0.5kg	0.699kg	400g	800 g	780g
Display	7" WXGA LED backlit LCD	10.1 inch/WXGA (1280x800) LCD	8" IPS LTPS 1920x1200 Gorilla Glass	8" 800*1280 I	10" 800*1280 IPS	5.7" IPS TFT LCD HD	7.0" TFT LCD WSVGA	7" IPS TFT LCD HD
RFID	No	No	Optional			No	No	Optional
Connectors	Mini USB OTG, HDMI, 3.5mm Audio Jack		Expansion: 1 slot for SIM card, 1 slot for TF card, Optional PSAM card slot. Interfaces: USB 3.0 Type-C, OTG	SDHC/SDXC; 12pin Pogo Pin; Micro usb 3.0; Host for windows; SIM; Micro HDMI; DC; 3.5mm standard earphone	SDHC/SDXC; 12pin Pogo Pin; Micro usb 3.0; Host for windows; SIM; Micro HDMI; DC; 3.5mm standard earphone	HD webcam ,8MP rear camera, Micro USB OTG, Headphone out/Mic-in, Optional Rugged Connector x 1	USB (client 2.0) x 1 USB (host 2.0) x 1	FHD webcam ,8MP rear camera, Micro USB, Docking, DC in, Micro SD, Optional RF antenna pass-through
Notes		NFC reader / writer	Iris and fingerprint recognition					

		Handheld		Janam		Kestronics	MiTAC		
		Algiz RT-7	Nautiz X2	XT1	XT2	T70H	Bumble Bee	Dino	Ulmo
									
Operating System		Android 6.0 (Marshmallow) Google GMS (Google Play)	Android 6.0 (Marshmallow)	Android 4.2	Android 5.x Lollipop or Windows 10	Android 4.2	Android 4.1	Android 4.1	Android 4.0
Processor		Qualcomm® MSM8916 – quad core ARM Cortex A53, 1.2 GHz	1.3 GHz quad-core ARM® Cortex-A53 MPCore™	Dual-core ARM Cortex-A9 @1.5GHz	Quad-core Qualcomm MSM8916 CPU @1.2GHz	MTK6589T 1.5 Ghz Cortex A7 QuadCore	ARM Cortex A9 Dual	ARM Cortex A9 Dual	Samsung 1.0 GHz
Memory	RAM	2 GB LP-DDR3	1 GB	1GB	1GB or 8GB	1G + 8G EMCP	1GB	1GB	512 MB
	ROM	16 GB eMMC1	8 GB	16GB	2GB/16G	Up to 32GB	8GB	8GB	4GB - 16GB
SD Slot		Dual SIM, SDHC slot 32 GB	MicroSD/MicroSDHC	Micro SD	USB 2.0	Micro USB	Micro SD (up to 32 GB)	Micro SD (up to 32 GB)	Micro SD
Drop Spec		4ft	4ft	3ft	5 ft	1m	1.2m	1.2m	1M
Ingress Protection		IP65	IP65	IP54	IP67	IP65	IP54	IP54	IP54
WLAN		802.11 b/g/n	802.11 a/b/g/n (Dual-band: 2.4G+5G)	802.11a/b/g/n	802.11a/b/g/n	802.11 b/g/n	802.11a/b/g/n	802.11a/b/g/n	802.11b/g/n
PAN		BT v4.1 LE	BT 4.0 LE	BT v4.0	BT v4.0	BT v4.0	BT v4.0	BT v4.0	2.1 + EDR
WWAN		2.5G (GSM, GPRS,EDGE) 3G (UMTS, HSPA+) 4G (LTE)	GSM / HSPA+ (3G) / LTE (4G)	UMTS/HSDPA/HSUPA/GSM	EDGE/GPRS/GSM; WCDMA; LT	2G: GSM/GPRS/EDGE. 850/900/1800/1900 3G: WCDMA/ HSPA 3.75G (HSDPA+ 42.2Mbps, HSUPA+ 11.5Mbps)	LTE (Optional)	LTE (Optional)	
GPS		Integrated	GPS/GLONASS	Yes	Qualcomm® IZat™	GPS/AGPS/EPO	Yes	Yes	Compass
Imager		Optional 2D	1D / 2D	1D, 2D	1D, 2D	No	1D/2D Professional Barcode reader	1D/2D Professional Barcode reader	No
Camera		2MP front, 8MP rear	8.0 Megapixel with LED flash		2MP front, 8MP rear	8.0 Megapixel with LED flash	Rear: 5M pixels Front: 2 M Pixels	Rear: 5M pixels Front: 2 M Pixels	1.3 MP Front, 5.0 MP Rear
Keypads		4 programmable function, capacitive multi-touch	Four keys on front side	Capacitive touch	Capacitive touch	Touch screen	Capacitive touch 12 numeric	Capacitive touch 12 numeric	Onscreen
Batteries		Li-Ion, 3.7V 6000 mAh	Lithium-Polymer 3300 mAh	3000mAh Li-ion	Li-Ion 3000mAh (4000mAh opt.)	10000mAh	3415 mAh	3415 mAh	Polymer 3850mAh
Dimensions (mm)		216 x 128 x 24	150 x 73.5 x 16		155 x 83 x 24	201x136x22mm	72x135x25	72x135x25	131.8 x 220 x 16.8
Weight		650g	230g	370g	279g (293g inc MMR)	650g			0.580kg
Display		7" WSVGA	4.7" IPS panel	5.9" Color TFT WVGA	5.0" HD	7" IPS/AFFS 1024x600	7" TFT 240x320	5" TFT 240x320	7" TFT LCD
RFID		Optional 13.56 MHz	No	Yes	Yes	No	No	No	
Connectors		USB A Host; USB micro (PC sync and charging); RJ45 (Ethernet); 3.5 mm headset (stereo and mic); 3.5 mm DC inlet	Micro USB 2.0; Dock connector for charging; 3.5mm headset				Mini USB/ Micro SD / USB 2.0 / MIC & 3.5mm earphone / SIM / POGO	Mini USB/ Micro SD / USB 2.0 / MIC & 3.5mm earphone / SIM / POGO	USB, Mini USB, Micro SD
Notes				Hazardous locations			Supported payment features (PCI EPD 3.x/EMV L 1)	Supported payment features (PCI EPD 3.x/EMV L 1)	Accelerometer

		Panasonic				Pidion		Samsung
		Toughpad FZ-A2	Toughpad FZ-B2	Toughpad FZ-L1	Toughbook FZ-N1	BP50	BP70	Galaxy Tab Active
								
Operating System		Android™ 6.0 Marshmallow	Android™ 6.0 Marshmallow	Android 8.1 (Oreo)	Android 5.1.1 (Lollipop)	Android 4.0	Android 4.0	Android Kitkat
Processor		Intel® Atom™ x5-Z8550	Intel® Atom™ x5-Z8550	Qualcomm® MSM8909 1.1GHz Quad	Qualcomm® MSM8974AB 2.3GHz Quad	Dual-core	Dual-core	Quad Core, 1.2GHz
Memory	RAM	4 GB	2GB	2GB	2GB	1GB	1GB	1.5GB
	ROM	32GB eMMC	32GB eMMC	16 GB	16GB	16GB	16GB	1.6GB
SD Slot		Micro SD/SDHC	Micro SD/SDHC Memory Card	MicroSDXC (up to 64 GB)	Micro SD/SDHC Memory Card	Micro HDMI	Micro HDMI	Micro-SD up to 64GB
Drop Spec		1.2m	150cm	152cm	150cm	4ft	5ft	1.2m
Ingress Protection		IP65	IP-65	IP65 and IP67	IP-X5	IP65	IP65	IP67
WLAN		Intel® Dual Band Wireless-AC 8260	Dual Band Wireless-AC 8260	802.11 a/b/g/n/d/h/i/r	Dual Band Wireless-AC 8260	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n, NFC
PAN		BT v4.2 + EDR Class 1	BT v4.2+ EDR	BT v4.2	BT v 4.2 + EDR Class 1	BT V2.1 + EDR	BT V2.1 + EDR	BT 4.0 BLE
WWAN		4G Option (Gobi 5000), supports 3G	4G Option (Gobi 5000), supports 3G		4G option Option (Gobi 5000), supports 3G	Optional, 4G LTE, HSPA+/HSPA/UMTS, EDGE/GSM	Optional, 4G LTE, HSPA+/HSPA/UMTS, EDGE/GSM	A2DP, AVRCPP, DI, HID, HOGP, HSP, OPP, PAN
GPS		Integrated	Integrated	GPS GPS/GLONASS CEP50	Integrated	Assisted GPS	Assisted GPS	GPS, GLONASS
Imager		2D barcode (opt)	Optional (2D Barcode)	Optional 1D/2D	2D Barcode Reader, LAN	No	No	No
Camera		2.0 Front, 8MP Rear	2 MP Front, 8 MP Rear	8MP rear	2 MP Front, 8 MP Rear	Front: 2MP. Rear: 5MP with LED. Webcam	Front: 2MP. Rear: 5MP with LED. Webcam	3.1MP rear, 1.2MP front
Keypads		10 finger capacitive multi-touchscreen	10 finger capacitive multi-touchscreen	10 point capacitive multi-touch. On-screen QWERTY	10 finger capacitive multi-touchscreen	Virtual	Virtual	Capacitive touch
Batteries		Lithium-Ion (11.4V, 2720mAh)	Lithium-Ion (7.2V, 3320mAh)	Li-ion 3.8V, 3,200 mAh	Lithium-Ion (7.2V, 3320mAh)	14.8-watt-hour(4,000mAh) lithium-polymer	22.2-watt-hour(6,000mAh) lithium-polymer	4,450mAh (User-replaceable)
Dimensions (mm)		272 x 16.4 x 196	203 x 18 x 132mm	193 x 132 x 12.7	203 x 18 x 132mm	198 x 125 x 13.5	262 x 178.2 x 14.8	126.2 x 213.1 x 9.75
Weight		880g	Approx. 540g	421.8g	Approx. 540g	462g	757g	393g
Display		10.1" sunlight-viewable WUXGA	7" sunlight-viewable WXGA Active Matrix (TFT) IPS LCD	7" high definition 1280 x 720	7" sunlight-viewable WXGA Active Matrix (TFT) IPS LCD	7" LED-backlit widescreen	10.1-inch LED-backlit widescreen	8" WXGA(1280 x 800) TFT LCD
RFID			UHF RFID, (opt)					No
Connectors			USB 3.0, USB 3.1; Headset, Port Replicator; Dual Antenna	Docking / Micro-USB / Mini-jack stereo head & mic/ xPak	USB 3.0, USB 3.1; Headset, Port Replicator; Dual Antenna	1 Micro HDMI	1 Micro HDMI	USB 2.0 High Speed , BT 4.0 BLE, WiFi 802.11 a/b/g/n, NFC
Notes								

	Sumo		Unitech	XPlore	Zebra	
	ST3075Q	ST370A	TB120	XSLATE D10	ET50/55	
						
Operating System	Android 4.2	Android 2.3 (Gingerbread) Android 4.0 (Ice Cream Sandwich)	Android 4.1	Android™ 4.1.1 Jelly Bean	Android™ Lollipop 5.1, 6.0.1, Marshmallow	Windows Industry Embedded 8.1 Pro with Connected Standby (Windows 10 ready) Available in Q1 of 2016 as Android
Processor	Quad Core, 1.4GHz	Samsung 1.0GHz	Quad Core, 1.2GHz Qualcomm Snapdragon 200 MSM8225Q, ARM v7	Ti OMAP 4470 1.5Ghz Dual	Intel® Atom™ E3845 Quad Core 1.91 GHz	Intel quad core 2.4 GHz 64 bit
Memory						
	RAM	1GB	512MB	1GB	1GB Mobile DDR	4 GB DDR3L
	ROM	8GB	4GB to 16GB	8GB Flash	8GB eMMC Flash	64 GB SSD
SD Slot	Micro-SD up to 32GB	MicroSD Slot up to 32GB	Micro-SD up to 32GB	Micro SD	Micro SDXC	USB2.0
Drop Spec		3ft	4ft	4ft	5ft	1m
Ingress Protection		IP54	IP67	IP65	IP65	IP65
WLAN	802.11a/b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11ac	802.11a/b/g/n/k/r
PAN	BT 4.0 HS	BT v2.1 + EDR	V2.1 EDR+A2DP	BT v4.0	BT v4.0	BT v4.0
WWAN	3G Opt for HSPA+ /WCDMA/EDGE/ GPRS/GSM	UMTS - 3G	3G GSM/GPRS/EDGE/ WCDMA/HSDPA/HSUPA	GSM/GPRS/EDGE 850/900/1800/1900 MHzUMTS (optional)	4G LTE (Optional)	Global LTE with HSPA+
GPS		3.5G for mobile connectivity (Optional)	Optional supporting RTCM2.3 and RTCM3.0	Yes + Digital compass	Dedicated, Standard, 2.5m Accuracy	Integrated
Imager	Option 1D /2D	No	Option 1D /2D	1D / 2D	1D/2D Barcode Scanner (optional)	Expansion pack accessory
Camera	Option 5MP	5MP 5MP LED Flash (Rear) 1.3MP (Front)	2MP front, 8MP rear	2.0 MP Front, 5.0 MP Rear	2.0 MP Front, 5.0 MP Rear	2.0 MP Front, 8.0 MP Rear
Keypads	Capacitive touch	Capacitive touch	Capacitive touch	T34 numeric and function, capacitive touch screen	10-Finger Multi-Touch, Glove Touch	Capacitive 10 point multi-touch
Batteries	Li-ion 3.7V, 4000mAh	Lithium-Polymer 3850mAh	3.7V, 7000mAh	3.7V @5000mAh Li- Polymer	39.2 Whr, Single Battery	5900 mAh rechargeable Smart Li-Ion
Dimensions (mm)	133 x 210 x 18	132 x 220 x 17	160 x 190 x 20 mm	TBA	281 x 180 x 22	8.3": 228 x 150 x 12.5 10.1": 269 x 181 x 12.5
Weight	0.5 kg	0.58Kg	750g	TBA	1.09 kg	8.3": 555 g; 10.1": 750 g
Display	7" LED-backlight	7" LED-backlight	7" Sunlight Readable	7" LCD	10.1" WXGA	21 cm and 25.6 cm
RFID	Optional HF/RFID 13.56MHz reader	No	Optional HF/RFID	Optional		
Connectors	USB 2.0; mini USB (with OTG function); Headphone Out (2.5mm); DC-in; Micro-SD Slot up to 32GB	USB 2.0 Mini B; Type A USB Host. 3.5mm Headphone with Mic-in. Internal Mic; Built in speaker; HDMI Out	Micro USB, Headphone out, DC in, SD slot	TBA	DC Power; 2 x USB 3.0; Micro SDXC; Micro HDMI-out; Micro SIM Card Reader; Headphones/Speaker Mini- Jack Stereo, Smart Phone Headphone Compatible	USB 3.0; HDMI; USB 2.0; Audio jack
Notes						

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

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