

Comparison of TSL[®] Mobile UHF RFID Readers

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	1153	1128	2128	2128P	2128L	1166	2166
Read Range	Up to 2 m (6.5 ft)	Up to 5.5 m (18 ft)	Up to 6 m (19.6 ft)	Up to 9 m (29.5 ft)	Up to 15 m (49 ft)* "Orientation dependent	Up to 9 m (29.5 ft)	Up to 9 m (29.5 ft)
Maximum RF Output Power	Up to 26 dBm EIRP (region dependant)	Up to 32 dBm EIRP (region dependant)	Up to 33 dBm EIRP (region dependant)	Up to 34 dBm EIRP (region dependant)	Up to 35 dBm EIRP (region dependant)	Up to 34 dBm EIRP (region dependant)	Up to 34 dBm EIRP (region dependant)
IP Rating	IP54	IP54	IP54	IP54	IP54	IP67	IP67
<i>Bluetooth</i> [®] version	Bluetooth® 2.1	Bluetooth [®] 2.1	Bluetooth® 4.2 Supports Classic, BLE & iAP2	Bluetooth® 4.2 Supports Classic, BLE & iAP2	Bluetooth [®] 4.2 Supports Classic, BLE & IAP2	Bluetooth [®] 2.1	Bluetooth® 4.2 Supports Classic, BLE & IAP2
Apple Mfi certified	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Optional 2D barcode imager	Yes	Yes	Yes	Yes	No	Yes	Yes
Internal Storage	Up to 32 GB* *via Micro SD card (not supplied)	Up to 32 GB* *via Micro SD card (not supplied)	Up to 32 GB* *via Micro SD card (not supplied)	Up to 32 GB* *via Micro SD card (not supplied)	16 GB* *For units manufactured in August 2020 onwards. Units manufactured before this date will be 8 GB.	16 GB* *For units manufactured in August 2020 onwards. Units manufactured before this date will be 4 or 8 GB.	16 GB* *For units manufactured in August 2020 orwards. Units manufactured before this date will be 8 GB.
No. of tags that can be stored on an SD card (Batch Data Mode)	Up to 500 million tags 'via Micro SD card (not supplied)	Up to 500 million tags 'via Mero SD card (not supplied)	Up to 500 million tags "vla Micro SD card (not supplied)	Up to 500 million tags "Via Micro SD card (not supplied)	Up to 250 million tags "For units manufactured in August 2020 onwards.	Up to 250 million tags *For units manufactured in August 2020 onwards.	Up to 250 million tags 'For units manufactured in August 2020 onwards.
Tag de-duplication (removes duplication of tag reads)	Software Based	Software Based	Software Based	In-reader tag de-duplication	In-reader tag de-duplication	Software Based	In-reader tag de-duplication
On-board accelerometer	No	No	No	Yes	Yes	No	No
Drop Spec	1.2 m * 'Multiple drops to concrete: 4 ft/ 1.2 m ambient, 3ft / 0.9m across the operating temperature range.	1.2 m * Multiple drops to concrete: 4 ft./ 1.2 m antisent, 3ft / 0.9m across the operating temperature range.	1.2 m* Multiple drops to concrete: 4 ft/ 1.2 m ambient, 3ft / 0.9m across the operating temperature range.	1.2 m* Multiple drops to concrete: 4 ft./ 1.2 m ambiert, 3ft / 0.9m across the operating temperature range.	1.2 m* "Multiple drops to concrete: 4 ft./ 1.2 m ambient, 3ft / 0.9m across the operating temperature range.	1.8 m* "Multiple drops to concrete: 1.8 m ambient.	1.8 m* *Multiple drops to concrete: 1.8 m ambient.
Mounting Options for Smartphone or Hand-Held Terminal	Wearable (back of hand)	Slide-on Mounts'	ePop-Loq® Mounts	ePop-Loq® Mounts	ePop-Loq® Mounts	Pop-Loq [®] Mounts	ePop-Loq® Mounts
Docking Options		Docking Cradle' Dorder 1128-CR0-02-KIT Viside-on Mounts must be removed from the 1128 in order to use the Docking Cradle	Docking Cradle Order 2128-CRD-03-KIT	Docking Cradle Order 2128-CRD-03-KIT	Docking Cradle Order 2128-CRD-02-KIT	Docking Cradle Order 1166-CRD-01-KIT	Docking Cradle Order 1166-CRD-01-KIT
Battery	L Battery	XL Battery	XL Battery XL Handle	XL Battery XL Handle	Built-in Power Handle	High Capacity Battery	High Capacity Battery
Minimum operating time	Light use': 11.5 hrs Moderate use'': 6.5 hrs Heavy use''': 3 hrs Light Use Continuous HTD Invertories for 100 revey 1200 "Moderate Use Continuous HTD Invertories for 100 revey 2000 "Heavy Use Continuous HTD Invertories for 50 of revey 000	Light use': 9 hrs Moderate use'': 5 hrs Heavy use''': 2.5 hrs 'Het Continue HPD heatenine for 20 of new 1205 'Madeda the Continuum HPD heatenine for 20 of new 1205 ''Madeda the Continuum HPD heatenine for 90 of new 1205 ''May Use Continuum HPD heatenine for 90 of new 205	11 hrs Light use 28 hrs 7 hrs Moderate use 19 hrs 4 hrs Heavy use 10.5 hrs Tight baccontisues RFD heretrotes for 20 hereny 200 Theory Use Test outputs 10.5 hrs Light baccontisues RFD heretrotes for 20 hereny 200 Moderate use 10 here 200 Mediate baccontisues RFD heretrotes for 50 hereny 200 Theory the Continuous RFD heretrotes for 50 hereny 200	(order: 2102-PH-Y) 11 hrs Light use 28 hrs 7.5 hrs Moderate use 19 hrs 4 hrs Heavy use 10.5 hrs Light the Continues RID investories for 50 of every 30 "Heavy the: Continues RID investories for 50 of every 40	Light use': 28 hrs Moderate use'': 20 hrs Heavy use''': 9 hrs Night the Continuan RFD herefore for 20 or new 120- "Mediate the continuan RFD herefore for 10 or new 120- "Heavy the Continuan RFD herefore for 10 or new 120- "Heavy the Continuan RFD herefore for 10 or new 120-	Light use': 31.5 hrs Moderate use'': 23.5 hrs Heavy use''': 13 hrs Light the Cortisons RFD invertising for 20 of every 120. "Mediate the Cortisons RFD invertising for 20 of every 200. "Heavy the Cortisons RFD invertising for 5% of every 200.	Light use': 31.5 hrs Moderate use'': 24 hrs Heavy use''': 15 hrs Wight Use Continues RFD hereitories for 20 of very 20 "Mediate Use Continuous RFD hereitories for 20 of very 20 "Heavy Use Continuous RFD hereitories for 50 of very 20
Tag Reads per single battery charge	1 million	1 million	1 million 2.3 million	1 million 2.3 million	2.3 million	2.6 million	2.6 million
Charge Time	2 hrs	2.5 hrs	2.5 hrs 5 hrs	2.5 hrs 5 hrs	5 hrs	2 .5 hrs	2 .5 hrs
	ETSI/Europe Puerto Rico FCC/USA Russia Brazil Thailand China Ukraine Colombia Ecuador El Salvador Guatemala India Kazakhstan Northern Mariana Islands	ETSI/Europe Hong Kong FCC/USA India Australia Japan Bangladesh Malaysia Brazil Northern Canada Mariana Islands Chile Peru China Puerto Rico Colombia Singapore Ecuador South Korea El Salvador Taiwan Guam Thailand Guatemala Vietnam	ETSI/Europe Puerto Rico FCC/USA Singapore Australia Bangladesh Canada Colombia Ecuador Guarm Guatemala India New Zealand Northern Mariana Islands	ETSI/Europe FCC/USA Australia Bangladesh Canada Colombia Ecuador Guam Guatemala India Northern Mariana Islands Puerto Rico	ETSI/Europe FCC/USA Bangladesh Ecuador Colombia Guam Guatemala India Northern Mariana Islands Puerto Rico	ETSI/Europe Guatemala FCC/USA Indonesia Algeria Japan Bangladesh Kazakhstan Brazil Malaysia Brunei New Zealand Canada Northern China Mariana Islands Colombia Pakistan Ecuador Puerto Rico Egypt Russia El Salvador Thailand Guam Vietnam	ETSI/Europe FCC/USA Bangladesh Canada Colombia Ecuador Guam Guatemala Northern Mariana Islands Puerto Rico
Keyboard Support (in HID Mode)	US HID Keyboard Support	US HID Keyboard Support	International HID Keyboard Support	International HID Keyboard Support	International HID Keyboard Support* "Enguire when ordering	US HID Keyboard Support	International HID Keyboard Support