

ZEBRA PRODUCT COMPARISON

MOBILE PRODUCT LINE



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	QL 420 PLUS™	QLn420™	QLn220™	QLn320™	P4T™/RP4T™	RW 220™	RW 420™	RW 420™ PRINT STATION	iMZ220™	MZ 220™	iMZ320™	MZ 320™	EM 220™
PRODUCT DESCRIPTION	4" Direct Thermal Mobile Label Printer	4" Direct Thermal Mobile Label Printer	2" Direct Thermal Mobile Label Printer	3" Direct Thermal Mobile Label Printer	4" Thermal Transfer and Direct Thermal Mobile Label Printer	2" Direct Thermal Mobile Receipt Printer	4" Direct Thermal Mobile Receipt Printer	4" Direct Thermal Mobile Receipt Printer Integrated into carrying unit	2" Direct Thermal Mobile Receipt Printer - includes iOS support	2" Direct Thermal Mobile Receipt Printer	3" Direct Thermal Mobile Receipt Printer - includes iOS support	3" Direct Thermal Mobile Receipt Printer	2" Direct Thermal Mobile Receipt Printer
LIST PRICE BASE MODEL	\$1,295	\$1,195	\$995	\$1,095	\$1,495/\$3,195	\$700	\$975	\$1,275	\$450	\$450	\$495	\$495	\$450
STANDARD FEATURES													
PROCESSOR SPEED	133 Mhz	400 MHz	400 MHz	400 MHz	133 Mhz	133 Mhz	133 Mhz	133 Mhz	400 MHz	59 MHz	400 MHz	59 MHz	200 MHz
MEMORY (RAM)/(FLASH)	16 MB/8 MB	128 MB/256 MB	128 MB/256 MB	128 MB/256 MB	16 MB/8 MB	16 MB/8 MB	16 MB/8 MB	16 MB/8 MB	128 MB/128 MB	8 MB/4 MB	128 MB/128 MB	8 MB/4 MB	8 MB/2 MB
COMMUNICATIONS INTERFACE	USB	USB	USB	USB	USB	USB	USB	USB	USB	USB	USB	USB	USB
BATTERY TYPE/CAPACITY	Li-Ion, 7.4V, 2100 mAh (nominal)	Li-Ion, 7.4V, 5000 mAh (nominal)	7.4 V, 4300 mAh (nominal)	7.4 V, 4300 mAh (nominal)	Li-Ion, 7.2V, 4200 mAh (nominal)	Li-Ion, 7.2V, 2000 mAh (nominal)	Li-Ion, 7.4V, 4000 mAh (nominal)	7.4V, 4000 mAh (nominal)	Li-Ion, 7.4V, 1600 mAh (nominal)	1500 mAh (nominal)	Li-Ion, 7.4V, 1600 mAh (nominal)	1500 mAh (nominal)	7.4v 1200 mAh (nominal)
SMART BATTERY	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No
PRINTER SPECIFICATIONS													
MAXIMUM PRINT SPEED (INCHES PER SECOND - IPS)	3 ips	4 ips	4 ips	4 ips	TT = 1.5 ips DT = 3 ips	3 ips	3 ips	3 ips	4 ips	3 ips	4 ips	3 ips	3.15 ips
RESOLUTION (DOTS PER INCH - DPI)	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi
MAX PRINT WIDTH	3.9" (99.1 mm)	4.09" (104 mm)	1.9" (48 mm)	2.9" (72 mm)	4.09" (104 mm)	2.20" (56 mm)	4.09" (104 mm)	4.10" (104.1 mm)	1.9" (48.3 mm)	1.9" (48.3 mm)	2.9" (73.7 mm)	2.9" (73.7 mm)	2.0" (50.8 mm)
MEDIA CHARACTERISTICS													
MEDIA WIDTH	2" (50.8 mm) to 4.12" (104.6 mm)	2.0" (51 mm) to 4.4" (112 mm)	0.63" (16 mm) to 2.18" (55.4 mm)	1.0" (25 mm) to 3.125" (79 mm)	2.0" (50.8 mm) to 4.12" (104.65 mm)	2.37" (60 mm)	2.0" (50.8 mm) to 4.12" (105 mm)	2.0" (50.8 mm) to 4.37" (111 mm)	2.0" (+/- 0.03") to 50.8 mm (+/- 0.76 mm)	2.0" (+/- 0.03") to 50.8 mm (+/- 0.76 mm)	3.0" (+/- 0.03") to 76.2 mm (+/- 0.76 mm)	3.0" (+/- 0.03") to 76.2 mm (+/- 0.76 mm)	2.28" (+/- 0.2") to 58.0 mm (+/- 0.5 mm)
MEDIA LENGTH	0.5" (12.7 mm) to 32" (813 mm)	0.5" (12.7 mm) to 32" (813 mm)	0.5" (12.7 mm)/ 32" (813 mm)	0.5" (12.7 mm)/ 32" (813 mm)	1.25" (31.75 mm) to at least 36" (914 mm)	0.50" (13 mm) to continuous	0.50" (13 mm) to continuous	0.50" (13 mm) to continuous	1.9" (48.3 mm) to at least 36" (914 mm)	1.9" (48.3 mm) to at least 36" (914 mm)	1.9" (48.3 mm) to at least 36" (914 mm)	1.9" (48.3 mm) to at least 36" (914 mm)	N/A
MEDIA THICKNESS	2.5 mil to 6.5 mil	3.2 mil to 7.5 mil	2.3 mil to 5.5 mil	2.3 mil to 6.5 mil	3.2 mil to 8.5 mil	2 mil to 6.3 mil	2 mil to 6.3 mil	2 mil to 6.3 mil	4 mil (0.1016 mm)	4 mil (0.1016 mm)	4 mil (0.1016 mm)	4 mil (0.1016 mm)	4 mil (0.1016 mm)
MAXIMUM MEDIA ROLL SIZE (OD)	1.375" (34.9 mm)	2.6" (66 mm)	2.2" (55.9 mm)	2.6" (66 mm)	2.6" (66 mm)	2.25" (57 mm)	2.25" (57 mm)	2.25" (57 mm)	1.88" (47.8 mm)	1.88" (47.8 mm)	1.88" (47.8 mm)	1.88" (47.8 mm)	1.57" (39.9 mm)
FANFOLD SUPPORT	Yes	Yes	No	No	Yes	No	Yes	No	No	No	No	No	No
PHYSICAL CHARACTERISTICS													
WIDTH/HEIGHT/DEPTH	6.0" (152.4 mm)/ 7.5" (190.5 mm)/ 3.0" (76.5 mm)	6.5" (165 mm)/7.35" (187 mm) with beltclip/ 3.25" (82.5 mm)	3.5" (89 mm)/ 2.75" (70 mm)/ 6.5" (165 mm)	4.6" (117 mm)/ 3.3" (84 mm)/ 6.8" (173 mm)	7" (177.8 mm)/ 8.6" (218.4 mm)/ 3" (76.2 mm)	3.0" (76.2 mm)/ 6.9" (173 mm)/ 2.9" (74 mm)	6.3" (160 mm)/ 6.9" (175 mm)/ 3.1" (79 mm)	11.12" (282.4 mm)/ 7.62" (193.5 mm)/ 2.83" (71.9 mm)	3.18" (80.77 mm)/ 5.34" (135.6 mm)/ 2.26" (57.4 mm)	3.18" (80.77 mm)/ 5.34" (135.6 mm)/ 2.26" (57.4 mm)	4.11" (104.4 mm)/ 5.34" (135.6 mm)/ 2.26" (57.4 mm)	4.11" (104.4 mm)/ 5.34" (135.6 mm)/ 2.26" (57.4 mm)	3.1" (79.5 mm)/ 5.0" (126.7 mm)/ 1.7" (43.6 mm)
WEIGHT	2 lbs. (.907 kg)	2.45 lbs (1.1 kg)	1.25 lbs (0.57 kg)	1.6 lbs (0.72 kg)	2.9 lbs (1.32 kg)	1.45 lbs (0.658 kg)	2.0 lbs. (907 kg)	3.25 lbs. (1.47kg)	0.70 lbs. (0.32 kg)	0.70 lbs. (0.32 kg)	0.75 lbs. (0.34 kg)	0.75 lbs. (0.34 kg)	0.52 lbs. (0.24 kg)
DROP SPEC	5' to Concrete	6' to Concrete	5' to Concrete	5' to Concrete	5' to Concrete	6' to Concrete	6' to Concrete	5' to Concrete	4' to Concrete	4' to Concrete	4' to Concrete	4' to Concrete	4' to Concrete
OPERATING TEMPERATURE/HUMIDITY													
OPERATING TEMPERATURE	5° F (-15° C) to 122° F (50° C)	-4° F (-20° C) to 122° F (50° C)	-4° F (-20° C) to 122° F (50° C)	-4° F (-20° C) to 122° F (50° C)	TT = 0° C to 45° C (32° F to 113° F) DT = -20° C to 50° C (-4° F to 122° F)	-4° F (-20° C) to 131° F (55° C)	-4° F (-20° C) to 131° F (55° C)	-4° F (-20° C) to 131° F (55° C)	14° F (-10° C) to 122° F (50° C)	14° F (-10° C) to 122° F (50° C)	14° F (-10° C) to 122° F (50° C)	14° F (-10° C) to 122° F (50° C)	14° F (-10° C) to 122° F (50° C)
OPERATING HUMIDITY	10 to 80% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	10% to 80% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing	20% to 70% non-condensing
IP RATING	IP43	IP43/IP54 with case	IP43/IP54 with case	IP43/IP54 with case	IP14	IP54	IP54	IP54	IP42	IP42	IP42	IP42	None
AVAILABLE FEATURE/OPTIONS (ADDITIONAL COST)													
COMMUNICATION INTERFACES	Bluetooth, Wireless LAN - 802.11 b/g	Bluetooth, Wireless LAN - 802.11 a/b/g/n, Combo Bluetooth/WLAN (Future), Ethernet (with Cradle)	Bluetooth, Wireless LAN - 802.11 a/b/g/n, Combo Bluetooth/WLAN (Future), Ethernet (with Cradle)	Bluetooth, Wireless LAN - 802.11 a/b/g/n, Combo Bluetooth/WLAN (Future), Ethernet (with Cradle)	Bluetooth, Wireless LAN - 802.11 b/g, Combo Bluetooth/WLAN	Bluetooth, Wireless LAN - 802.11 b/g	Bluetooth, Wireless LAN - 802.11 b/g, Combo Bluetooth/WLAN	Bluetooth	Bluetooth, iOS Bluetooth (Apple), Wireless LAN - 802.11 a/b/g/n	Bluetooth, Wireless LAN - 802.11 b/g	Bluetooth, iOS Bluetooth (Apple), Wireless LAN - 802.11 a/b/g/n	Bluetooth, Wireless LAN - 802.11 b/g	Bluetooth
CARRYING ACCESSORIES	Shoulder Strap, Handstrap, Soft Case/Cover	Shoulder Strap, Handstrap, Soft Case/Cover, Hard Case	Shoulder Strap, Handstrap, Soft Case/Cover	Shoulder Strap, Handstrap, Soft Case/Cover	Shoulder Strap, Soft Case/Cover	Shoulder Strap, Handstrap, Soft Case/Cover	Shoulder Strap, Handstrap, Soft Case/Cover, Palette	Shoulder Strap, Handstrap	Shoulder Strap, Soft Case/Cover	Shoulder Strap, Soft Case/Cover	Shoulder Strap, Soft Case/Cover	Shoulder Strap, Soft Case/Cover	Soft Case/Cover
VEHICLE ACCESSORIES	Forklift Mount, Cigarette Lighter Adapter	Cradle, Forklift Mount, Cigarette Lighter Adapter	Cigarette Lighter Adapter	Cigarette Lighter Adapter	Cradle, Forklift Mount, Cigarette Lighter Adapter	Cradle, Cigarette Lighter Adapter	Cradle, Cigarette Lighter Adapter	Cradle, Cigarette Lighter Adapter	Cigarette Lighter Adapter	Cigarette Lighter Adapter	Cigarette Lighter Adapter	Cigarette Lighter Adapter	N/A
OTHER ACCESSORIES/FEATURES	Single Battery Charger, Quad Battery Charger, Running Charger, AC Charger, Cigarette Lighter Adapter	Single Battery Charger, Quad Battery Charger, AC Charger, Ethernet/Charging Cradle, Battery Eliminator (Future)	Single Battery Charger, Quad Battery Charger, AC Charger, Single/Quad Ethernet/Charging Cradle	Single Battery Charger, Quad Battery Charger, AC Charger, Single/Quad Ethernet/Charging Cradle	RFID, Single Battery Charger, Quad Battery Charger, AC Charger, Charging Cradle	Card reader, Single Battery Charger, Quad Battery Charger, Running Charger	Card reader, Single Battery Charger, Quad Battery Charger, Running Charger	Card reader, Single Battery Charger, Quad Battery Charger, AC Charger, Charging Cradle	AC Charger, Charging Cradle	AC Charger, Charging Cradle	AC Charger, Charging Cradle	AC Charger, Charging Cradle	Card reader, Single Battery Charger, Quad Battery Charger