



System Name	7758 RMB-C1	8235A RMB-C2	7542 RMB-S	8204 FLEET CORE	8469 FLEET CORE-ATOM	8501 FLEET CORE-M
CPU	Via C7, 1.5 GHz	Via C7, 1.5 GHz	Via C7, 1.5 GHz	Intel Atom N270, 1.6 GHz	Intel Atom Z510, 1.1 GHz	IntelAtom Z510PT, 1.1 GHz
Chipset	CN700	CN700	CN700	945GSE	U515W	U515WPT
Memory	2GB DDR2	2GB DDR2	1GB DDR2 (*2GB)	1GB DDR2	512MB DDR2	1GB DDR2
CompactFlash	4 GB std	Option	4 GB std	4 GB std	4 GB std	Option
Temperature	-40C to +85C	-40C to +75C	-40C to +85C	-25C to +70 C	-25C to +70C	-30C to +70C
Operating System	Windows XPe or Linux	Windows XPe or Linux	Windows XPe or Linux	Windows XPe or Linux	Windows XPe or Linux	Windows XPe or Linux
COM Ports	(3) RS-232, (1) RS-232/485	(3) RS-232, (1) RS-232/485	(2) RS-232, (2) RS-232/422/485	(3)RS- 232, (1) RS-232, 422 or 485	(1) RS-232, (1) RS-232, 422 or 485	(1) RS-232, (1) RS-232, 422 or 485
USB 2.0	5	2 standard, up to 3 additional USB ports (option)	4	4	4	2
Digital I/O	4 output, 8 input	4 output, 8 input	24 lines, bit-programmable	4 output, 4 input	4 output, 4 input	2 output, 4 input
Ethernet	(2) 10/100 Base-T	(1) 10/100 Base-T standard, additional 10/100 Base-T port (option)	(2) 10/100 Base-T	(1) 10/100/1000, (1) 10/100	(1) 10/100/1000, (1) 10/100	(1) 10/100
Video	VGA 1920x1440x24	VGA 1920x1440x24	VGA or LVDS 1920x1440x24	VGA 1920x1440x24	DVI-D 1920x1440x24	DVI-D 1920x1440x24
SATA Ports	2	2	2	1	1	No
PC/104	Yes	Yes	Yes	No	No	No
PC/104 Plus	Yes	Yes	Yes	Yes	Yes	Yes
Mini PCI	Yes	Yes	Yes	Yes	Yes	Yes
Mini PCI Express	No	No	No	Yes	No	Yes
Keyboard/Mouse	USB	USB	PS/2	USB - external, PS/2 - internal	USB - external, PS/2 - internal	USB - external, PS/2 - internal
Wireless	*802.11 b/g WiFi, *50-channel GPS	*802.11 b/g WiFi, *50-channel GPS	N/A	50-channel GPS, *802.11 b/g WiFi, *GSM/CDMA/ EVDO WAN	50-channel GPS, *802.11 b/g WiFi, *GSM/CDMA/ EVDO WAN	50-channel GPS, *802.11 b/g WiFi, *GSM/CDMA/ EVDO WAN
Antenna	3	3	N/A	4	3	3
CAN Bus	Yes	Yes	No	No	No	No
Audio	Yes	Yes	Yes	Yes	No	Yes
Power Input	8V to 36VDC	8V to 36VDC	8V to 36VDC	8V to 36VDC	8V to 36VDC	8V to 32VDC
Power***	16-22W max	16-22W max	16-22W max	14-16W max, 1.5 W standby	9-11W max, 1.5 W standby	9-11W max, 1.5 W standby
Size (mm)**	361(d) x 200(w) x 146(h)	361(d) x 200(w) x 146(h)	274(d) x 170(w) x 103(h)	220(d) x 178(w) x 91(h)	220(d) x 178(w) x 91(h)	220(d) x 178(w) x 91(h)
Size (inches)**	14.2(d) x 7.9(w) x 5.8(h)	14.2(d) x 7.9(w) x 5.8(h)	10.78(d) x 6.7(w) x 4(h)	8.7(d) x 7.2(w) x 3.6(h)	8.7(d) x 7.2(w) x 3.6(h)	8.7(d) x 7.2(w) x 3.6(h)
Shock	30g, 3 axis MIL-STD 810F	30g, 3 axis MIL-STD 810F	30g, 3 axis MIL-STD 202G, test 213B, condition J	20g, 3 axis MIL-STD 202G, test 213B, condition J	20g, 3 axis MIL-STD 202G, test 213B, condition J	20g, 3 axis MIL-STD 202G, test 213B, condition J;
Vibration	5g, 3 axis MIL-STD 810F	5g, 3 axis MIL-STD 810F	5g, 3 axis MIL-STD 214AG, test 214A, condition A	5g, 3 axis MIL-STD 214AG, test 214A, condition A	5g, 3 axis MIL-STD 214AG, test 214A condition A	5g, 3 axis MIL-STD 214AG, test 214A condition A
Shock Plate	Included	Included	No	No	No	No
Load dump & transient protection	Yes	Yes	Yes	Yes	Yes	Yes

* Optional

**Dimensions include shock plate, if any.

***Maximum power depends on processor speed, I/O loading, and options.