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Rabbit Selection Guide

RabbitCore Selection Guide

	Model	Ethernet/Wireless	Clock (MHz)	Input (V DC/mA)	Prog. Flash	Data SRAM	Serial Flash	NAND Flash	Removable Memory	Config. I/O	Digital Inputs	Digital Outputs	Analog	Serial Ports	Product Size (mm)	Part Number	Development Kit
Rabbit 6000	RCM6760	10/100Base-T (RJ45 Connector)	162.5	With Ethernet 260 mA @ 3.3 V; Without Ethernet 140 mA @ 3.3 V	4 MB	1 MB	4 MB (program)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 19	20-101-1321	101-1327, 101-1326
	RCM6750	10/100Base-T (Signals only)	162.5	With Ethernet 250 mA @ 3.3 V; Without Ethernet 130 mA @ 3.3 V	4 MB	1 MB	4 MB (program)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 7	20-101-1320	101-1327, 101-1326
	RCM6710	10/100Base-T (RJ45 Connector)	162.5	With Ethernet 250 mA @ 3.3 V; Without Ethernet 130 mA @ 3.3 V	1 MB	1 MB	1 MB (program)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 18	20-101-1319	101-1327, 101-1326
	RCM6700	10/100Base-T (Signals only)	162.5	With Ethernet 210 mA @ 3.3 V; Without Ethernet 120 mA @ 3.3 V	1 MB	1 MB	1 MB (program)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 3	20-101-1318	101-1327, 101-1326
	RCM6650W	10/100Base-T (Signals only) & Wi-Fi	162.5	3.15 V DC-3.45 V DC 625 mA @ 3.3 V while transmitting/receiving, 85 mA @ 3.3 V while not transmitting/receiving	4 MB	1 MB	4 MB (program)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 10	20-101-1323	101-1325
	RCM6600W	10/100Base-T (Signals only) & Wi-Fi	162.5	3.15 V DC-3.45 V DC 625 mA @ 3.3 V while transmitting/receiving, 85 mA @ 3.3 V while not transmitting/receiving	1 MB	1 MB	1 MB (program)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 10	20-101-1322	101-1325
Rabbit 5000	RCM5760	10/100Base-T (RJ45 Connector)	50	3.15-3.45 V DC 70 mA @ 3.3 V typical without Ethernet, 200 mA @ 3.3 V typical with Ethernet	1 MB	128K Internal 512 External	2 MB (mass storage option)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 3	20-101-1307	-
	RCM5750	10/100Base-T (Signals only)	50	3.15-3.45 V DC 70 mA @ 3.3 V typical without Ethernet, 200 mA @ 3.3 V typical with Ethernet	1 MB	128K Internal 512 External	2 MB (mass storage option)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 3	20-101-1306	-
	RCM5710	10/100Base-T (RJ45 Connector)	50	3.15-3.45 V DC 70 mA @ 3.3 V typical without Ethernet, 200 mA @ 3.3 V typical with Ethernet	1 MB	128K Internal	No	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 3	20-101-1300	-
	RCM5700	10/100Base-T (Signals only)	50	3.15-3.45 V DC 70 mA @ 3.3 V typical without Ethernet, 200 mA @ 3.3 V typical with Ethernet	1 MB	128K Internal	No	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 3	20-101-1235	-
	RCM5650W	Wi-Fi	73.73	3.15 V DC-3.45 V DC 625 mA @ 3.3 V while transmitting/receiving, 85 mA @ 3.3 V while not transmitting/receiving	4 MB	1 MB	4 MB (program)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 10	20-101-1309	-
	RCM5600W	Wi-Fi	73.73	3.15 V DC-3.45 V DC 625 mA @ 3.3 V while transmitting/receiving, 85 mA @ 3.3 V while not transmitting/receiving	1 MB	1 MB	1 MB (program)	No	No	up to 35 Config. I/O	Configurable	Configurable	No	6	30 x 51 x 10	20-101-1265	-
	RCM5450W	Wi-Fi	73.73	3.15 V DC-3.45 V DC 625 mA @ 3.3 V while transmitting/receiving, 85 mA @ 3.3 V while not transmitting/receiving	1 MB	512K	2 MB	No	No	up to 39 Digital I/O	Configurable	Configurable	No	6	47 x 72 x 14	20-101-1247	-
	RCM5400W	Wi-Fi	73.73	3.15 V DC-3.45 V DC 625 mA @ 3.3 V while transmitting/receiving, 85 mA @ 3.3 V while not transmitting/receiving	512K	512K	1 MB	No	No	up to 39 Digital I/O	Configurable	Configurable	No	6	47 x 72 x 14	20-101-1246	-
Rabbit 4000	RCM4310	10/100Base-T	58.98	3.0-3.6 V DC, 350 mA (typ.) @ 3.3 V, 385 mA @ 3.6 V and 85° C (max.)	512K	512K	1 MB	No	Yes	36	—	—	No	6	47 x 72 x 21	20-101-1139	-
	RCM4300	10/100Base-T	58.98	3.0-3.6 V DC, 350 mA (typ.) @ 3.3 V, 385 mA @ 3.6 V and 85° C (max.)	1 MB	512K	2 MB	No	Yes	28	—	—	Yes	5	47 x 72 x 21	20-101-1138	-
	RCM4210	10/100Base-T	29.49	3.0-3.6 V DC, 200 mA @ 3.3 V (typ.), (pins unloaded)	512K	512K	4 MB	No	No	35	—	—	No	5	47 x 61 x 21	20-101-1132	-
	RCM4200	10/100Base-T	58.98	3.0-3.6 V DC, 240 mA @ 3.3 V (typ.), (pins unloaded)	512K	512K	8 MB	No	No	25	—	—	Yes	4	47 x 61 x 21	20-101-1131	-
	RCM4120	No	59.98	3.0-3.6 V DC, 125 mA @ 3.3 V (pins unloaded)	512K	512K	No	No	No	40	—	—	No	6	36 x 48 x 12	20-101-1154	-
	RCM4110	No	29.49	3.0-3.6 V DC, 65 mA @ 3.3 V (pins unloaded)	512K	256K	No	No	No	40	—	—	No	6	36 x 48 x 12	20-101-1093	-
	RCM4100	No	58.98	3.0-3.6 V DC, 125 mA @ 3.3 V (pins unloaded)	512K	512K	No	No	No	29	—	—	Yes	6	36 x 48 x 12	20-101-1105	-
	RCM4010	10Base-T	58.98	3.0-3.6 V DC, 90 mA @ 3.3 V (preliminary, pins unloaded)	512K 16-bit	512K 16-bit	No	No	No	28	Configurable	Configurable	No	5	47 x 61 x 20	20-101-1112	-
	RCM4000	10Base-T	58.98	3.0-3.6 V DC, 90 mA @ 3.3 V (preliminary, pins unloaded)	512K 16-bit	512K 16-bit	No	32 MB	No	22	Configurable	Configurable	Yes	4	47 x 61 x 20	20-101-1094	-
	Rabbit 3000	RCM3910	10/100Base-T	44.2	3.15-3.45 V DC/325 mA @ 44.2 MHz, 3.3 V	512K	512K	No	No	Yes	44	4	4	No	5	30 x 75 x 23	20-101-1197
RCM3900		10/100Base-T	44.2	3.15-3.45 V DC/325 mA @ 44.2 MHz, 3.3 V	512K	512K	No	32 MB	Yes	44	—	—	No	5	30 x 75 x 23	20-101-1196	-
RCM3750		10/100Base-T	22.1	4.75-5.25 V DC/175 mA @ 22.1 MHz	512K	512K	1 MB	No	No	31	4	4	No	4	30 x 75 x 23	20-101-1028	-
RCM3720		10Base-T	22.1	4.75-5.25 V DC/100 mA @ 22.1 MHz	512K	256K	1 MB	No	No	31	—	2	No	4	30 x 75 x 23	20-101-1329	-
RCM3710		10Base-T	22.1	4.75-5.25 V DC/100 mA @ 22.1 MHz	256K	128K	1 MB	No	No	31	—	2	No	4	30 x 75 x 23	20-101-1328	-
RCM3700		10Base-T	22.1	4.75-5.25 V DC/100 mA @ 22.1 MHz	512K	512K	1 MB	No	No	31	—	2	No	4	30 x 75 x 23	20-101-1305	-
RCM3610		No	22.1	4.75-12.6 V DC/60 mA @ 22.1 MHz	256K	128K	No	No	No	31	—	2	No	4	31 x 54 x 16	20-101-0673	-
RCM3600		No	22.1	4.75-12.6 V DC/60 mA @ 22.1 MHz	512K	512K	No	No	No	31	—	2	No	4	31 x 54 x 16	20-101-0672	-
RCM3410		No	29.4	3.00-3.45 V DC/97 mA @ 29.4 MHz	256K	256K	No	No	No	41	3	3	Yes	5	29 x 35 x 7.9	20-101-0562	-
RCM3400		No	29.4	3.00-3.45 V DC/97 mA @ 29.4 MHz	512K	512K	No	No	No	41	3	3	Yes	5	29 x 35 x 7.9	20-101-0561	-

Rabbit Selection Guide

RabbitCore Selection Guide (Continued)

Model	Ethernet/ Wireless	Clock (MHz)	Input (V DC/mA)	Prog. Flash	Data SRAM	Serial Flash	NAND Flash	Removable Memory	Config. I/O	Digital Inputs	Digital Outputs	Analog	Serial Ports	Product Size (mm)	Part Number	Development Kit
RCM3319	10/100Base-T	44.2	3.15-3.45 V DC/375 mA	512K	512K	4 MB	No	No	47	3	3	Yes	4	47 x 69 x 22	20-101-1195	101-1069
RCM3309	10/100Base-T	44.2	3.15-3.45 V DC/375 mA	512K	512K	8 MB	No	No	43	3	3	Yes	4	47 x 69 x 22	20-101-1194	101-1069
RCM3209	No	44.2	3.15-3.45 V DC/325 mA	512K	256K	No	No	No	44	4	4	Yes	6	47 x 69 x 22	20-101-1179	101-0552
RCM3110	No	29.4	3.15-3.45 V DC/75 mA	256K	128K	No	No	No	46	4	4	No	6	42 x 47 x 14	20-101-0518	-
RCM3100	No	29.4	3.15-3.45 V DC/75 mA	512K	512K	No	No	No	46	4	4	No	6	42 x 47 x 14	20-101-0517	-
RCM3010	10Base-T	29.4	3.15-3.45 V DC/150 mA	256K	128K	No	No	No	44	4	4	No	6	47 x 69 x 22	20-101-0508	-
RCM3000	10Base-T	29.4	3.15-3.45 V DC/150 mA	512K	512K	No	No	No	44	4	4	No	6	47 x 69 x 22	20-101-0507	-

Single-Board Computer Selection Guide

	Model	Ethernet/Wireless	Clock (MHz)	Input (V DC/mA)	Prog. Flash	Data SRAM	Serial Flash	NAND Flash	Removable Memory	Config. I/O	Digital Inputs	Digital Outputs	Analog	Serial Ports	Product Size (mm)	Part Number	U.S. Development Kit
Rabbit 5000	BL4S220	Wi-Fi	73.73	9-36 V DC, 9 W max	1 MB	512K	-	No	No	32 Configurable	Configurable	8	8 input 2 output	5	96 x 146 x 17	20-101-1260	20-101-1260, 101-1270
	BL4S200	10/100 Base-T	58.98	9-36 V DC, 4.5 W max	512K	512K	512K (program)	No	mini SD 123MB to 1 GB	32 Configurable	Configurable	8	8 input 2 output	5	96 x 146 x 24	20-101-1220	20-101-1220, 101-1270
	BL4S210	10 Base-T	58.98	9-36 V DC, 4.5 W max	512K	512K	-	No	No	32 Configurable	Configurable	8	8 input 2 output	4	96 x 146 x 24	20-101-1259	20-101-1259, 101-1270
	BL4S110	10 Base-T	40	9-36 V DC - 2 W max	1 MB	512K	1 MB (program)	No	No	-	12	8	12	3	96 x 146 x 16	20-101-1256	20-101-1256, 101-1268
Rabbit 4000	BL4S160	10 Base-T	40	9-36 V DC - 2 W max	2 MB	512K	2 MB (program)	No	No	-	12	8	12	3	96 x 146 x 16	20-101-1258	20-101-1258, 101-1268
	BL2610	No	29.4	9-36 V DC/12 W	512K	512K	-	No	No	16	8	4	Yes	5	123 x 126 x 25	20-101-0891	20-101-0891
	BL2600	10/100Base-T	44.2	9-36 V DC/12 W	512K	(512K Prog Exec.) 256K	-	No	No	16	8	4	Yes	5	123 x 126 x 25	20-101-0889	20-101-0889
	LP3510	No	29.4	3-30 V DC/20 mA @ 7.4 MHz	256K	128K	-	No	No	-	16	10	No	6	66 x 93 x 11	20-101-0526	20-101-0525
Rabbit 3000	LP3500	No	7.4	3-30 V DC/20 mA @ 7.4 MHz	512K	512K	-	No	No	-	16	10	Yes	6	66 x 93 x 11	20-101-0525	20-101-0526
	BL2120	No	22.1	9-36 V DC/1.5 W (w/o display), 3 W (w/ display)	256K	128K	-	No	No	-	24	16	Yes	4	87 x 105 x 24	20-101-0463	20-101-0463
	BL2100	10Base-T	22.1	9-36 V DC/1.5 W (w/o display), 3 W (w/ display)	256K	128K	-	No	No	-	24	16	Yes	4	87 x 105 x 24	20-101-0461	20-101-0461

Operator Interface Selection Guide

	Model	Ethernet	Clock (MHz)	Input (V DC/mA)	Keypad/Display	Prog. Flash	Data SRAM	Digital Inputs	Digital Outputs	Analog	Serial Ports	Board Size (mm)	Enclosure Size (mm)	Part Number	U.S. Starter Kit
Rabbit 2000	OP6810	None	22.1	9-36 V DC/1.5 W	132 x 32 Pixel graphic LCD (programmable backlight), user-releagadable keypad with 7-key/7-LED interface	256K	128K	13	11	No	4	66 x 76 x 28	114 x 91 x 7.6	20-101-0497	20-101-0497
	OP7200	10Base-T	22.1	9-40 V DC or 22-26 V AC/4 W	4096 x 4096 resistive touchscreen. 1/4 VGA (320 x 240 p) with programmable white LED backlight, 9-key keypad	256K	128K	19	8	Yes	4	119 x 95.3	112 x 144 x 43	20-101-0535	20-101-0535
	OP7210	10Base-T	22.1	9-40 V DC or 22-26 V AC/4 W	1/4 VGA (320 x 240 pixels) with programmable white LED backlight, 9-key keypad	256K	128K	16	8	No	4	119 x 95.3	112 x 144 x 43	20-101-0536	20-101-0536