

Microcontroller Information

Module Comparison



	Cirrus R40	BS2-IC	Rambal Board HomeWork	BASIC Stamp 2e	BASIC Stamp 2sx	BASIC Stamp 2p24
Program Execution Speed (instructions/sec.)	12.000	4.000	4.000	4.000	10.000	12.000
RAM Size	38 Bytes	32 Bytes	32 Bytes	32 Bytes	32 Bytes	38 Bytes
Scratch Pad RAM	128 Bytes	N/A	N/A	64 Bytes	64 Bytes	128 Bytes
EEPROM (Program) Size	2K Bytes x 8	2K Bytes	2K Bytes	2K Bytes x 8	2K Bytes x 8	2K Bytes x 8
Number of I/O pins	32	16	16	16	16	16
Source / Sink Current per I/O	30 mA	20 mA	20 mA	30 mA	30 mA	30 mA
PBasic Commands	61	42	42	45	45	61
Communication Protocols	Serial , SPI , 1Wire , I2C	Serial , SPI	Serial , SPI	Serial , SPI	Serial , SPI	Serial , SPI , 1Wire, I2C
DB9 Connector	Yes	N/A	N/A	N/A	N/A	N/A
I/O Protection	Yes , 32 Prot.	N/A	Yes , 16 Prot.	N/A	N/A	N/A
Power Led Indicator	Yes	N/A	Yes	N/A	N/A	N/A
Power Driver chip (1Amp.)	Yes	N/A	N/A	N/A	N/A	N/A
Direct relay connector	Yes	N/A	N/A	N/A	N/A	N/A
Language	Pbasic	Pbasic	Pbasic	Pbasic	Pbasic	Pbasic

N/A : Not Available