ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

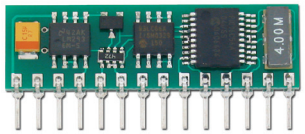
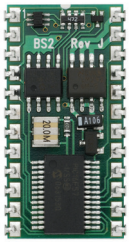
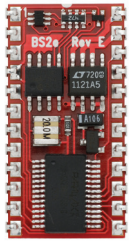
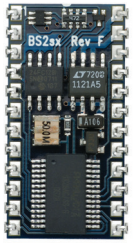
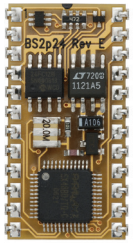
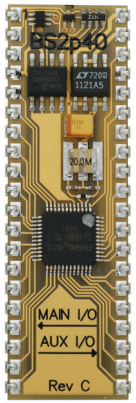
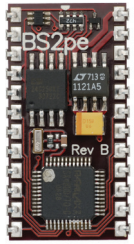
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Parallax BS2p24* at our website: *Click HERE*

BASIC Stamp® Module Comparison Chart

Name of module	BASIC Stamp 1	BASIC Stamp 2	BASIC Stamp 2e	BASIC Stamp 2sx	BASIC Stamp 2p24	BASIC Stamp 2p40	BASIC Stamp 2pe	BASIC Stamp 2px
Stock Code	*BS1-IC*	*BS2-IC*	*BS2E-IC*	*BS2SX-IC*	*BS2P24*	*BS2P40*	*BS2PE*	*BS2PX24*
Processor Speed	4 MHz	20 MHz	20 MHz	50 MHz	20 MHz Turbo	20 MHz Turbo	8 MHz Turbo	32 MHz Turbo
Execution Speed (instructions/ Sec.)	~2,000	~4,000	~4,000	~10,000	~12,000	~12,000	~6,000	~19,000
RAM Size	16 Bytes (2 I/O, 14 Variable)	32 Bytes (6 I/O, 26 Variable)	32 Bytes (6 I/O, 26 Variable)	32 Bytes (6 I/O, 26 Variable)	38 Bytes (12 I/O, 26 Variable)	38 Bytes (12 I/O, 26 Variable)	38 Bytes (12 I/O, 26 Variable)	38 Bytes (12 I/O, 26 Variable)
Scratchpad RAM	N/A	N/A	64 Bytes	64 Bytes	128 Bytes	128 Bytes	128 Bytes	128 Bytes
EEPROM (Program) Size	256 Bytes, ~80 instructions	2K Bytes, ~500 instructions	8 x 2K Bytes, ~4,000 instructions	8 x 2K Bytes, ~4,000 instructions	8 x 2K Bytes, ~4,000 instructions	8 x 2K Bytes, ~4,000 instructions	16 x 2K Bytes (16K for source), ~4,000 instructions	8 x 2K Bytes (16K for source), ~4,000 instructions
Voltage Requirements	5-15 VDC	5-15 VDC	5-12 VDC	5-12 VDC	5-12 VDC	5-12 VDC	5-12 VDC	5-12 VDC
Current Draw @ 5 V (Run/Sleep)	1 mA/25 µA	3 mA/50 µA	25 mA/200 µA	60 mA/500 µA	40 mA/350 µA	40 mA/350 µA	15 mA/150 µA	55 mA/450 µA
# of I/O Pins	8	16 + 2 Serial	16 + 2 Serial	16 + 2 Serial	16 + 2 Serial	32 + 2 Serial	16 + 2 Serial	16 + 2 Serial
Source/Sink Current per I/O	20 mA/25 µA	20 mA/25 mA	30 mA/30 mA	30 mA/30 mA	30 mA/30 mA	30 mA/30 mA	30 mA/30 mA	30 mA/30 mA
Source/Sink Current per Unit	40 mA/50 µA	40 mA/50 mA per 8 I/O pins	60 mA/60 mA per 8 I/O pins	60 mA/60 mA per 8 I/O pins	60 mA/60 mA per 8 I/O pins	60 mA/60 mA per 8 I/O pins	60 mA/60 mA per 8 I/O pins	60 mA/60 mA per 8 I/O pins
PBASIC Commands	32	42	45	45	61	61	61	63

BASIC Stamp 1 Module - Affordable yet capable; perfect for smaller projects or tight spaces.

BASIC Stamp 2 Module – Ideal for beginners yet quite powerful, with a vast resource base and sample code. The BS2 is the core of our Stamps in Class program.

BASIC Stamp 2e Module - Perfect for those who have experience with the BASIC Stamp 2 and would like more data and program space.

BASIC Stamp 2sx Module - Supports the BS2 command set with more data and program space at more than twice the execution speed.

BASIC Stamp 2p24/40 Modules - In addition to more speed and data space, special commands support I/O polling, character LCDs, and I²C and 1-Wire protocols. The BS2P40 has these features plus 16 additional I/O pins.

BASIC Stamp 2pe Module - BS2p command set paired with lower power consumption and more memory for battery-powered data logging applications.

BASIC Stamp 2px Module - Our fastest BASIC Stamp microcontroller supports the BS2p command set as well as special I/O configuration features.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP