

# Controller Comparison Chart




Generation	<b>1st:</b> The Beginning	<b>2nd:</b> Mature serial-over-IP platform, support for simple Tibbo BASIC applications	<b>3rd:</b> Full power of Tibbo BASIC programmability, support for serial-over-IP via available Tibbo BASIC application		
Device	DS100 	DS203 	DS1202 	DS1206 	DS1000 

Capabilities	Feature Highlight	Tibbo's original blue box that helped put us on the map.	Our best-selling external device server, the workhorse of IT rooms, the nightmare of competitors, the pinnacle of engineering.	A multi-channel device at the price of a single-port controller.	An improvement on the DS1202, features pass-thru power.	IP-68compliant multi-port device for industrial applications.
	Can work as a serial-to-IP device?	YES		YES, through the use of available serial-over IP Tibbo BASIC application		
	Tibbo-BASIC programmable?	NO	YES, but with limited features	YES, with full power of Tibbo BASIC, its objects, and libraries		

Connectivity	Ethernet port	YES, 10BaseT	YES, 100/10BaseT			
	Wi-Fi port	NO				OPTIONAL, availability to be announced
	Serial port(s)/channels	One RS232 or RS485/422/232	One RS232	One RS232 port with 4 channels	Four RS232, RS485/422/232, or isolated RS485/422/232	

Memory	Flash memory	64KB, used to store Serial-over-IP (Sol) firmware	128KB, for Sol or Tibbo OS (TiOS) firmware, compiled T-Basic app.	1024KB, for TiOS firmware, compiled Tibbo BASIC application and its data		
	Flash disk	NO		YES, can take all free space in the flash memory (space not already occupied by TiOS firmware and Tibbo BASIC application)		
	EEPROM	256 bytes, used by Sol firmware to store settings	2048 bytes, used by Sol firmware to store settings, 2042 bytes available to store T-BASIC app. data	2048 bytes, 2042 bytes available to store Tibbo BASIC application data		
	Firmware upgrades	YES, through a serial port or network				

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Peripherals	RTC	NO		YES, with internal or external backup power source
	Buzzer	NO		YES
	System (MD) button	YES		
	Status LEDs	2, for green and red status LEDs		
	Ethernet LEDs	2, for link and speed mode indication		
	PLL (speed) control	NO	YES, through software only	

Physical	Supply voltage (nominal)	12V		
	Dimensions	89x51x30mm	60x47x30mm	91x104x99mm