

Specification	Note	Value
Compatible Raspberry Pi	[1]	Raspberry Pi 3, 2, B+, A+
Supports Raspberry Pi Display	[2]	Yes
Raspberry Pi per Unit		2
USB + Network Ports per Unit	[3]	8 + 2 or 2 + 0
HAT Devices per Unit		-
HUB Cards per Unit		2
CAP Devices per Unit	[4]	4
Camera Connector Slot	[5]	Yes x 2
HDMI & sound outputs	[6]	Yes x 1
Primary Power	[7]	5V via J8
Auxilliary Power	[8]	2 x 5V
USB Power Ports	[9]	-
Indicator LEDs	[10]	Reset / Interrupt
Device power-down control	[11]	Yes
Processor reset/interrupt	[12]	Yes
SPI, I2C, Serial & GPIO	[13]	Yes
Raspberry Pi Mounts		M2.5
Blade Mounts		M3
Blade power tabs	[14]	Yes
Wall mounting stand-offs	[15]	Yes
19" Rack Compatible	[16]	5RU
Power Budget	[17]	4A (peak) 3A (continuous)
UPS Compatible	[18]	Yes
DC 2.1mm, PoE Compatible	[19]	Yes
Power Requirement		9V (4A) ~ 48 V (500mA)
Operating Temperature		0 °C to 70 °C
Storage Requirements		-40 °C ~ +40 °C, 5 % ~ 95 % RH
Dimensions (W x D x H)		73 x 160 x 21 mm
Weight		79 g
bitscope.com / product / BB02		GE09C 13 EL04C 05 B

BB02B | BitScope Blade Duo | Notes

- [1] Any Raspberry Pi that conforms to the HAT specification is compatible.
- [2] Provides power and optional wall mounting capability.
- [3] Refers to the number of USB and Network ports (provided by connected Raspberry Pi)
- [4] Number of BitScope CAP (USB connected) per Blade (depending on power requirements)
- [5] Camera slots to enable the connection of visible or IR cameras.
- [6] HDMI and Audio ports on the Raspberry Pi in Slot 1 are accessible for connection.
- [7] Primary power for connected Raspberry Pi and HAT devices.
- [8] Auxilliary power for devices connected via 3-pin power headers (e.g. Raspberry Pi Display)
- [9] Additional USB (power only) ports for connected peripherals (e.g. Raspberry Pi Display)
- [10] LEDs to indicate BAY reset and interrupt inputs.
- [11] Each slot may be individually powered up/down via this header (normally powered up).
- [12] The device in each slot may be individually reset or interrupted via this header.
- [13] Access to each Raspberry Pi GPIO, SPI, I2C and Serial signals.
- [14] The blade may be powered via the mounting tabs, eliminates power wiring when rack mounted.
- [15] Blades supplied with wall mounting stand-offs with adhesive feet.
- [16] Blades can be rack mounted to create cluster computing solutions with optional metalwork.
- [17] Peak and continous current available at 5V across all slots and connected peripheral devices.
- [18] Blocking diode enables use with UPS and battery backup power solutions.
- [19] DC 2.1mm power socket compatible with low cost passive PoE solutions.