ASI-BI003-00A

[UART Burn-in Tester with Smart Host Control SW]

Note: image above may show a varied configuration or optional parts.

Key Features:

- 3 ports (UART development station)
  - **Default**: SFF8639 with customized UART interconnect backplane with 2.5" SSD/HDD form factor. Base system allows for inter changeable loaders (can mix and match)
  - **Optional**: PCIe-edge card form factor front loading adapter available
  - **Optional**: M.2 card form factor front loading adapter available
  - **Optional**: other customized form factor front loading adapter can be supplied
- Windows GUI Host Control Software
- Customizable Host GUI and UART data protocol (OPT)
- Host/DUT control scripting language support
- PCIe card slot upgradeable（OPT）Configuration test software

Specifications

Product SKUs	
BI-003-00A	3 port UART development system

Form Factor

- Rack mount system (default: 2.5" SSD/HDD form factor loader) Front exchange loaders available for PCIe-edge card, M.2, and other interconnect form factors

Processor (3Port PMU)

PMU: ARM core

Dimensions	BI-003 (request for other models)
Width	• 24.5" (600mm)
Height	• 76.5" (1945mm)
Depth	• 39.5" (1000mm)
Packaging	• TBD
Gross Weight	• 8kg
Color	• Silver metallic

Drive Bays (test slots)

- Default SFF8639 with customized UART port.
- Optional expansion loader cards available for PCIe-edge card and M.2.
- Other customizable loader can be supplied based on request (optional)

Backplane (port)

SFF8639 with customized uart connectivity. Optional interconnect adapters available

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- **Optional**: PCIe-edge card form factor front loading adapter available
- **Optional**: M.2 card form factor front loading adapter available
- **Optional**: other customized form factor front loading adapter can be supplied

System Cooling (air flow control) – rack mount system

Fans	• 4x 40x56mm 4-pin PWM fans (per 2 racks) • 2x 120x40mm 2-pin PWM fans for chassis ventilation

Power (System): BI-120A

Voltage	• AC 110 / 220 (50 / 60 Hz)
Max Power	• 5KW (220V / 23A)

Power (ports) – supply volt: 12v, 5v, 3.3v

12V	• 2.5A max (avg over 1 second duration). 4.5A max peak @450mS
3.3V	• 100mA

Tester / Host communication

Ethernet (max speed 100Mbps)

Device port communication

TTL Serial (3.3v): Max Speed 460Kbps

Front Panel

Buttons	• System Power On/Off button
LEDs	4 LED display indicator per port • Device/drive insertion detection LED • Power on/off LED • Programmable 2 LED