ASI-BI120A-00A

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



Key Features:

- 120 ports [3/24/48 port models have the same features]
 - 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
- PCle card slot upgradeable (OPT) Configuration test software

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

Specifications

| Product SKUs | |
|--------------|----------------------------------|
| BI-3DEV | 3 port UART development system |
| BI-24A | 24 port UART development system |
| BI-48A | 48 port UART development system |
| BI-120A | 120 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-120A (request for other models) |
|--------------|-------------------------------------|
| Width | • 24.5" (600mm) |
| Height | • 76.5" (1945mm) |
| Depth | • 39.5" (1000mm) |
| Packaging | • 33.50" (W) x 81.50" (H) x 49" (D) |
| Gross Weight | • 726 lbs (330kg) |
| Color | Grey/Silver |

Drive Bays (test slots)

- · Default SFF8639 with customized UART port.
- Optional expansion loader cards available for PCle-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) |

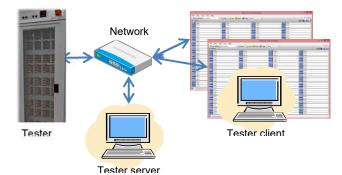
| Power (ports) – supply volt: 12v, 5v, 3.3v | |
|--|---|
| 12V | 2.5A max (avg over 1 second duration). 4.5A max peak @450mS |
| 3.3V | • 100mA |

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 |



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