

SSD/104 SATA

Connect Tech's SSD/104 SATA is a complete rugged stackable storage solution that allows up to two mSATA SSD modules to be installed into any PC/104-Plus, PCI-104, PCI/104-Express and PCIe/104 stack or embedded system. SSD/104 SATA improves performance, expands storage capacity and reduces overall storage footprint in an embedded system.

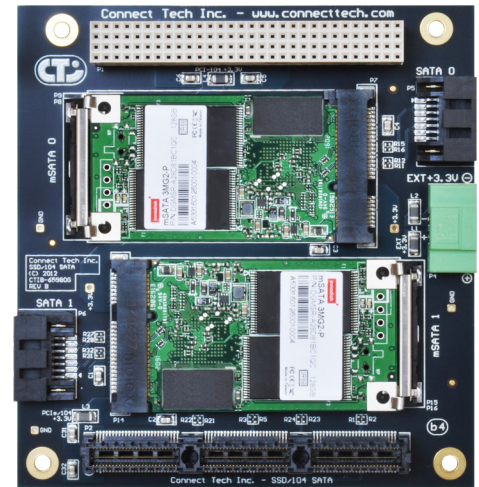
Designed with the latest generation of mSATA SSD modules, SSD/104 SATA can be easily upgraded to accommodate future generations of mSATA modules for even greater system capacity and performance.

When combined with mSATA SSD modules, SSD/104 SATA directly interfaces with the standard SATA bus, which can be used as a drop-in replacement for any SATA storage device. SSD/104 SATA can also be interfaced with any single board computer or embedded system using standard 7-pin SATA.

SSD/104 SATA is available as a complete storage solution with a preinstalled mSATA module, or as a separate mSATA carrier which supports any mSATA SSD module.

Product Name: SSD/104 SATA

Part Numbers:
SDG001, SDG002, SDG003, SDG004



Specifications

Storage Capacity	<ul style="list-style-type: none"> • 4GB, 8GB, 16GB, 32GB, 64GB or 128GB • Up to 256GB maximum using 2 mSATA modules or more with future generations of mSATA modules
Flash Type	SLC or MLC
Power Requirement	+3.3V / 0.5A maximum through PCIe/104 bus, PCI-104 bus or external connector
Power	<ul style="list-style-type: none"> • Supply Voltage: +3.3V ±5% • Low Power Consumption: 260mA (Active) / 130 mA (Idle)
Power Source	PCIe/104 bus, PCI-104 bus or external power connector
Interface	Supports all SATA generations: <ul style="list-style-type: none"> • SATA I - 1.5Gbps 150MB/s • SATA II - 3Gbps 300MB/s • SATA III - 6Gbps 600MB/s • Compatible with any SBC SATA port
Dimensions	SSD/104 Carrier: 3.550" x 3.775" (90.17mm x 95.89mm), PC/104 Compliant mSATA SSD Module: 2.000" x 1.175" (50.80mm x 29.85mm), JEDEC 300-MB Compliant, Mini PCIe Form Factor Compliant
Connectors	<ul style="list-style-type: none"> • Standard Right Angle 7-pin SATA data connectors • mSATA Connectors • 3.5mm pitch Phoenix Type power connector • PCI-104 or PCIe/104 stacking connectors (optional)
Build Options	
PCI/104-Express (SDG001)	Both PCIe/104 and PCI-104 stacking connectors installed
PCIe/104 (SDG002)	Only the PCIe/104 stacking connector is installed
PCI-104 (SDG003)	Only the PCI-104 stacking connector is installed
No Bus (SDG004)	No stacking bus connectors installed
Cable-Free Operation	SATA signals from PCIe/104 or PCI/104-Express Type 2 SBC
mSATA SSD ports	Up to 2 mSATA SSD modules
Operating Temperature	Industrial: -40°C to 85°C (-40°F to 185°F) Commercial: 0°C to 70°C (32°F to 158°F)
Warranty and Support	Limited two-year warranty and free technical support

FEATURES

- ✓ Storage capacity range from 4GB to +256GB
- ✓ Supports up to two mSATA SSD Modules
- ✓ SATA signals from any PCIe/104 or PCI/104-Express Type 2 SBC eliminates the need for SATA cables