



## 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.

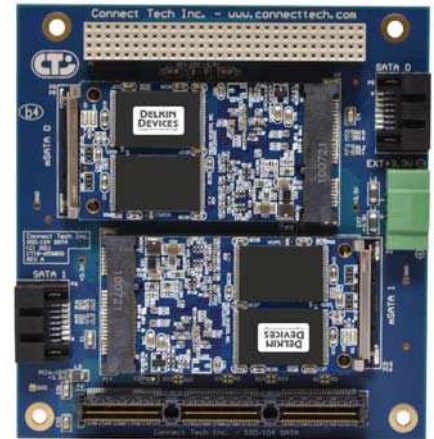
Designed with the latest generation of mSATA SSD modules, SSD/104 SATA can be easily upgraded to accommodate future generations of mSATA modules for even greater system capacity and performance.

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



## 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

### Specifications

Storage Capacity	<ul style="list-style-type: none"> <li>• 4GB, 8GB, 16GB, 32GB, 64GB or 128GB</li> <li>• Up to 256GB maximum using 2 mSATA modules or more with future generations of mSATA modules</li> </ul>
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"> <li>• Supply Voltage: +3.3V ±5%</li> <li>• Low Power Consumption: 260mA (Active) / 130 mA (Idle)</li> </ul>
<b>Power Source</b>	PCIe/104 bus, PCI-104 bus or external power connector
Interface	Supports all SATA generations: <ul style="list-style-type: none"> <li>• SATA I - 1.5Gbps 150MB/s</li> <li>• SATA II - 3Gbps 300MB/s</li> <li>• SATA III - 6Gbps 600MB/s</li> <li>• Compatible with any SBC SATA port</li> </ul>
Dimensions	<b>SSD/104 Carrier:</b> 3.550" x 3.775" (90.17mm x 95.89mm), PC/104 Compliant <b>mSATA SSD Module:</b> 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"> <li>• Standard Right Angle 7-pin SATA data connectors</li> <li>• mSATA Connectors</li> <li>• 3.5mm pitch Phoenix Type power connector</li> <li>• PCI-104 or PCIe/104 stacking connectors (optional)</li> </ul>
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	<b>Industrial:</b> -40°C to 85°C (-40°F to 185°F) <b>Commercial:</b> 0°C to 70°C (32°F to 158°F)
Warranty and Support	Lifetime warranty and free technical support



Specifications subject to change without notice.  
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