


# MiniSAS Series Portable IDE/SATA/SAS Duplicator and Sanitizer



## Product Features

Features	Descriptions
<b>Operation Type</b>	<ul style="list-style-type: none"> <li>Stand-alone, FPGA-based operation (Non-PC based system design).</li> </ul>
<b>Controller Design</b>	<ul style="list-style-type: none"> <li>Embedded controller is designed to support capacities over 18TB+.</li> <li>Constant improvement supports latest market-available devices.</li> <li>Built-in native SAS controller.</li> </ul>
<b>Bandwidth Performance</b>	<ul style="list-style-type: none"> <li>Speed transfers of up to 18GB/min. (300MB/sec.)</li> <li>Dedicated bandwidth enables high-volume replications without speed degradation.</li> </ul>
<b>Read-Only Source Port</b>	<ul style="list-style-type: none"> <li>There is no option to disable this built-in feature and it is integrated with all U-Reach duplicators.</li> </ul>

## Product Models

Photos	Models	Target Ports
	SAS-MS118	1:1

## Product Functions

Functions	Descriptions
<b>4 Copy Modes</b>	<ul style="list-style-type: none"> <li>• <u>Quick Copy (Data &amp; System)</u>: Supports Windows, Mac, and Linux.</li> <li>• <u>All Partitions</u>: Users can skip HPA or unknown partitions.</li> <li>• <u>Whole Device</u>: Copies bit-by-bit from the master device.</li> <li>• <u>Percentage Copy</u>: Users can set percentages of capacity to be copied.</li> </ul>
<b>Compare (Verification)</b>	<ul style="list-style-type: none"> <li>• Bit-by-bit data comparison from the source device to target device(s).</li> </ul>
<b>7 Sanitization Modes</b>	<ul style="list-style-type: none"> <li>• Quick Erase</li> <li>• Full Erase (NIST 800-88)</li> <li>• DoD3 Pass (DoD 5220.22-M)</li> <li>• DoD3 Pass+Compare (DoD 5220.22-M)</li> <li>• DoD7 Pass [DoD 5220.22-M(ECE)]</li> <li>• Secure Erase (NIST 800-88)</li> <li>• Enhanced Secure Erase</li> </ul>
<b>Skip Bad Sectors</b>	<ul style="list-style-type: none"> <li>• Choose the number of bad sectors to skip.</li> </ul>
<b>Unknown Format</b>	<ul style="list-style-type: none"> <li>• Choose to copy or skip unknown formats.</li> </ul>
<b>Erase Source Port</b>	<ul style="list-style-type: none"> <li>• Enable or disable source port from being erased.</li> </ul>
<b>Device Power-up</b>	<ul style="list-style-type: none"> <li>• Choose time to wait for the device to power up prior to copy, erase, etc.</li> </ul>
<b>Device Power-down</b>	<ul style="list-style-type: none"> <li>• Choose time to wait for the device to power down prior to disconnection.</li> </ul>
<b>HPA Copy Modes</b>	<ul style="list-style-type: none"> <li>• Allows user to choose various HPA replication methods.</li> </ul>
<b>Clear HPA at Erase</b>	<ul style="list-style-type: none"> <li>• Keep or clear HPA settings during sanitization process.</li> </ul>
<b>Language</b>	<ul style="list-style-type: none"> <li>• English or Japanese.</li> </ul>
<b>Transfer Modes</b>	<ul style="list-style-type: none"> <li>• Allows user to select the transfer rate.</li> </ul>

## Product Compatibilities

Compatibilities	Descriptions
<b>Compatible Devices</b>	<ul style="list-style-type: none"> <li>• 1.8"/2.5"/3.5" SAS/SATA HDDs and SSDs</li> </ul>
<b>Compatible Devices (Requires Optional Adapters)</b>	<ul style="list-style-type: none"> <li>• 2.5"/3.5" IDE, iVDR, mSATA SSD, MicroSATA, M.2 (NGFF), CFast, and Panasonic CF-29 through CF-74.</li> </ul>
<b>Supported Formats</b>	<ul style="list-style-type: none"> <li>• Quick Copy Function: FAT16/32/64, Windows (NTFS), Linux (Ext2/Ext3/Ext4), and Mac (HFS, HFS+, HFSX).</li> <li>• Whole Device Copy Function: All Formats, including proprietary formats.</li> <li>• GPT, MBR, and Advanced Formats.</li> </ul>
<b>Supported O/S</b>	<ul style="list-style-type: none"> <li>• All (Windows, Mac, Linux, and other proprietary systems).</li> </ul>

## Product Specifications

Specifications	Descriptions
LCD Display	<ul style="list-style-type: none"> <li>• Backlit Monochrome LCD Display</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• 3 LED Indicators per Port:</li> <li>• Yellow (Power), Green (Pass), and Red (Fail)</li> </ul>
Control Panel	<ul style="list-style-type: none"> <li>• 4 Push Buttons (▲, ▼, OK, ESC)</li> </ul>
Power Requirements	<ul style="list-style-type: none"> <li>• <u>Power Adapter Input</u>: 100-240VAC / 50-60Hz / 1.4A Max.</li> <li>• <u>Power Adapter Output</u>: 12VDC / 7A</li> </ul>
Operational Temperature	<ul style="list-style-type: none"> <li>• 5°C ~ 45°C (41°F ~ 113°F)</li> </ul>
Non-operational Temperature	<ul style="list-style-type: none"> <li>• -20°C ~ 85°C (-4°F ~ 185°F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• <u>Operating</u>: 20% ~ 80%, non-condensing</li> <li>• <u>Non-operating</u>: 5% to 95%, non-condensing</li> </ul>
Packaging Dimensions (L×W×H)	<ul style="list-style-type: none"> <li>• <u>SAS-MS118</u> – 228.6 mm x 190.5 mm x 3 mm (9 in. x 7.5 in. x 3 in.)</li> </ul>
Product Weight	<ul style="list-style-type: none"> <li>• <u>SAS-MS118</u> – 1.36 kg (3.0 lbs.)</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• FCC, CE, RoHS</li> </ul>

## Product Replacement Parts

Part Numbers	Descriptions
P1053	<ul style="list-style-type: none"> <li>• U-Reach CFast to SATA Adapter</li> </ul>
TB1529	<ul style="list-style-type: none"> <li>• U-Reach IDE to SATA Adapter</li> </ul>
P1041	<ul style="list-style-type: none"> <li>• U-Reach mSATA to SATA Adapter</li> </ul>
P1040	<ul style="list-style-type: none"> <li>• U-Reach Micro SATA to SATA Adapter</li> </ul>
P1050	<ul style="list-style-type: none"> <li>• U-Reach M.2 (NGFF) to SATA Adapter</li> </ul>
TB1553	<ul style="list-style-type: none"> <li>• U-Reach Panasonic TB CF29/30/31 to SATA Adapter</li> </ul>
OPTIONS	<ul style="list-style-type: none"> <li>• Please call us for specific cabling, adapter, and interface requirements.</li> </ul>

## More Information

For additional details on the U-Reach® MiniSAS Series, please visit: <http://www.ureach-usa.com/SAS-MS118.html>

Specifications are subject to change without notice.