



# MTS-SAS Series 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> </ul>
<b>Bandwidth Performance</b>	<ul style="list-style-type: none"> <li>Speed transfers of up to 18.0GB/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>
<b>Modular Cabling Design</b>	<ul style="list-style-type: none"> <li>Modular-designed ports effectively reduce downtime and is cost-effective for long-term ownership.</li> </ul>
<b>Asynchronous Erase Button</b>	<ul style="list-style-type: none"> <li>Only functional when any erase process is utilized and increases sanitization efficiency.</li> </ul>
<b>Real-Time PC Monitoring</b>	<ul style="list-style-type: none"> <li>View live status for: writing/reading speeds, total capacity, current function progress per port.</li> </ul>
<b>Event Log Management</b>	<ul style="list-style-type: none"> <li>Records: operating durations, individual port copy progressions, connected device models, capacities, serial numbers, and PASS or FAIL results.</li> <li>Device writing/reading speeds are recorded.</li> <li>Log report files are generated through the front USB port and are saved to USB devices.</li> </ul>

## Product Models

Photos	Models	Target Ports
	MTS800-SAS	1:7
	MTS1600-SAS	1:15

## 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>8 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> <li>• NSA Erase</li> </ul>
<b>Bad Sector Scan</b>	<ul style="list-style-type: none"> <li>• Scans device for any bad sectors by reading and writing.</li> </ul>
<b>Thorough Sector Scan</b>	<ul style="list-style-type: none"> <li>• Scans device for any bad sectors by reading and writing two times.</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>Minimum Speed</b>	<ul style="list-style-type: none"> <li>• Disable or set minimum threshold speed to drop the slowest device.</li> </ul>
<b>Check Source Minimum Speed</b>	<ul style="list-style-type: none"> <li>• Allows user to enable or disable the source speed check.</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>Scroll Lock</b>	<ul style="list-style-type: none"> <li>• Disable or enable ▲ and ▼ buttons on the control panel.</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>
<b>Functions</b>	<b>Descriptions</b>
<b>Log Manager</b>	<ul style="list-style-type: none"> <li>Manage and export log reports.</li> </ul>

## Product Compatibilities

Compatibilities	Descriptions
<b>Compatible Devices</b>	<ul style="list-style-type: none"> <li>1.8"/2.5"/3.5" eSATA/SATA/SAS 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>
Compatibilities	Descriptions
<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
<b>LCD Display</b>	<ul style="list-style-type: none"> <li>Backlit Monochrome LCD Display</li> </ul>
<b>LEDs</b>	<ul style="list-style-type: none"> <li>3 LED Indicators per Port:</li> <li>Yellow (Power), Green (Pass), and Red (Fail)</li> </ul>
<b>Control Panel</b>	<ul style="list-style-type: none"> <li>4 Push Buttons (▲, ▼, OK, ESC) and Asynchronous Erase Button</li> </ul>
<b>Power Requirements</b>	<ul style="list-style-type: none"> <li><u>Universal Power</u>: 115VAC or 230VAC, 50/60Hz</li> </ul>
<b>Operational Temperature</b>	<ul style="list-style-type: none"> <li>5°C ~ 45°C (<b>41°F ~ 113°F</b>)</li> </ul>
<b>Non-operational Temperature</b>	<ul style="list-style-type: none"> <li>-20°C ~ 85°C (<b>-4°F ~ 185°F</b>)</li> </ul>
<b>Humidity</b>	<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>
<b>Physical Dimensions (L×W×H)</b>	<ul style="list-style-type: none"> <li><u>MTS800-SAS</u> – 533.4 mm x 533.4 mm x 355.6 mm (<b>21 in. x 21 in. x 14 in.</b>)</li> <li><u>MTS1600-SAS</u> – 762 mm x 508 mm x 381 mm (<b>30 in. x 20 in. x 15 in.</b>)</li> </ul>
<b>Product Weight</b>	<ul style="list-style-type: none"> <li><u>MTS800-SAS</u> – 13.4 kg (<b>29.6 lbs.</b>)</li> <li><u>MTS1600-SAS</u> – 14.06 kg (<b>31.0 lbs.</b>)</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>FCC, CE, RoHS</li> </ul>

## Product Replacement Parts

Part Numbers	Descriptions
P1053	• U-Reach CFast to SATA Adapter
TB1529	• U-Reach IDE to SATA Adapter
P1037	• U-Reach 2.5" 44-Pin IDE to 3.5" 40-Pin IDE Adapter
P1041	• U-Reach mSATA to SATA Adapter
P1040	• U-Reach Micro SATA to SATA Adapter
P1050	• U-Reach M.2 (NGFF) to SATA Adapter
TB1553	• U-Reach Panasonic TB CF29/30/31 to SATA Adapter
TB1534	• U-Reach MTS-SAS Modular Cable

## More Information

For additional details on the U-Reach® MTS-SAS Series, please visit: <http://www.ureach-usa.com/MT%20-sata-hard-disk-drive-duplicator-eraser-1-to-15-MTS1600.html>

Specifications are subject to change without notice.