

# Golden Series Combo SD/MicroSD 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 2.0GB/min. (33MB/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 Socket 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>Full "Secure" Erase</b>	<ul style="list-style-type: none"> <li>A purge command is sent to the device's chip IC (must support it), which resets all flash memory as empty. This erasing algorithm conforms to SD Association Erasing Standards and NIST 800-88 guidelines.</li> </ul>
<b>Burn-in Test</b>	<ul style="list-style-type: none"> <li>Customize testing duration to determine the quality of the connected device(s).</li> </ul>
<b>Double Source Comparison</b>	<ul style="list-style-type: none"> <li>Instead of wearing out a source device, two source devices are utilized to reduce wear during mass productions.</li> </ul>

<b>Write Protection</b>	<ul style="list-style-type: none"> <li>Perform hardware-level write protection to only selected devices that supports it.</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 Port #1 or through the U-Reach PC-Link Software Utility.</li> </ul>
<b>Get "Device" ID</b>	<ul style="list-style-type: none"> <li>Retrieve all connected device information by its: port number, capacity, sectors, MID, OID, name, revision, year, month, and serial number.</li> </ul>

## Product Models

Photos	Models	Target Ports
	SD908G	1:7
	SD916G	1:15
	SD924G	1:23
	SD932G	1:31
	SD940G	1:39
N/A	SD948G	1:47
	SD964G	1:63
N/A	SD9120G	1:119

## Product Functions

Functions	Descriptions
<b>2 Copy Modes</b>	<ul style="list-style-type: none"> <li>• <u>Quick Copy (System &amp; Files)</u>: Supports Windows, Mac, and Linux.</li> <li>• <u>Whole Media</u>: Copies bit-by-bit regardless of format and data type.</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>3 Sanitization Modes</b>	<ul style="list-style-type: none"> <li>• Quick Erase</li> <li>• Full Erase (NIST 800-88)</li> <li>• DoD Erase (DoD 5220.22-M)</li> </ul>
<b>Media Checking Tools</b>	<ul style="list-style-type: none"> <li>• Diverse tools for verifying flash quality for bad sectors, capacity authenticity, and read/write speeds.</li> </ul>
<b>Do Format</b>	<ul style="list-style-type: none"> <li>• Automatically detects and formats device(s) to either FAT16 or FAT32.</li> </ul>
<b>Measure Speed</b>	<ul style="list-style-type: none"> <li>• Performs speed check by overwriting and reading the connected device(s).</li> </ul>
<b>Capacity Check</b>	<ul style="list-style-type: none"> <li>• Verifies the maximum capacity available.</li> </ul>
<b>Calc. CRC64</b>	<ul style="list-style-type: none"> <li>• Calculates the CRC64 value from the source device.</li> </ul>
<b>A2 Fake Picker</b>	<ul style="list-style-type: none"> <li>• Checks device(s) that contain fake capacities.</li> </ul>
<b>Burn-in Test</b>	<ul style="list-style-type: none"> <li>• Set from 30 Minutes through 30 Days for intensive media quality check.</li> </ul>
<b>Use Port 2 as Comparison Source</b>	<ul style="list-style-type: none"> <li>• Reduces wear on a source device. Requires 2 exact source devices for this function to work.</li> </ul>
<b>Write Protect</b>	<ul style="list-style-type: none"> <li>• *Performs hardware-level write protection to connected device(s).</li> </ul>
<b>Log Report Management</b>	<ul style="list-style-type: none"> <li>• Output and manage your log reports for internal records.</li> </ul>

## Product Compatibilities

Compatibilities	Descriptions
<b>Compatible Devices</b>	<ul style="list-style-type: none"> <li>• All SD and MicroSD Devices.</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
<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>• 2 LED Indicators per Port:</li> <li>• Green (Pass) and Red (Fail)</li> </ul>
<b>Control Panel</b>	<ul style="list-style-type: none"> <li>• 4 Push Buttons (▲, ▼, OK, ESC)</li> </ul>
<b>Power Requirements</b>	<ul style="list-style-type: none"> <li>• <u>Power Adapter Input</u>: 100-240VAC / 47-63Hz / 1.4A Max.</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Power Adapter Output:</b> 12VDC / 5A for 8-48 Ports</li> <li>• <b>Power Adapter Output:</b> 12VDC / 9A for 64-120 Ports</li> </ul>
<b>Operational Temperature</b>	• 0°C ~ 60°C ( <b>32°F ~ 140°F</b> )
<b>Non-operational Temperature</b>	• -20°C ~85°C ( <b>-4°F ~ 185°F</b> )
<b>Humidity</b>	<ul style="list-style-type: none"> <li>• <b>Operating:</b> 20% ~ 95%, non-condensing</li> <li>• <b>Non-operating:</b> 5% to 95%, non-condensing</li> </ul>
<b>Physical Dimensions (L×W×H)</b>	<ul style="list-style-type: none"> <li>• <b>SD908G</b> – 355.6 mm x 330.2 mm x 279.4 mm (<b>14 in. x 13 in. x 11 in.</b>)</li> <li>• <b>SD916G</b> – 368.3 mm x 355.6 mm x 304.8 mm (<b>14.5 in. x 14 in. x 12 in.</b>)</li> <li>• <b>SD924G</b> – 355.6 mm x 342.9 mm x 279.4 mm (<b>14 in. x 13.5 in. x 11 in.</b>)</li> <li>• <b>SD932G</b> – 292.1 mm x 431.8 mm x 342.9 mm (<b>11.5 in. x 17 in. x 13.5 in.</b>)</li> <li>• <b>SD940G</b> – 330.2 mm x 419.1 mm x 279.4 mm (<b>13 in. x 16.5 in. x 11 in.</b>)</li> <li>• <b>SD948G</b> – 430.0 mm x 370.0 mm x 290.0 mm (<b>16.9 in. x 14.6 in. x 11.4 in.</b>)</li> <li>• <b>SD964G</b> – 482.6 mm x 355.6 mm x 330.2 mm (<b>19 in. x 14 in. x 13 in.</b>)</li> <li>• <b>SD9120G</b> – TBA</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>SD908G</b> – 4.99 kg (<b>11.0 lbs.</b>)</li> <li>• <b>SD916G</b> – 4.99 kg (<b>11.0 lbs.</b>)</li> <li>• <b>SD924G</b> – 5.44 kg (<b>12.0 lbs.</b>)</li> <li>• <b>SD932G</b> – 5.90 kg (<b>13.0 lbs.</b>)</li> <li>• <b>SD940G</b> – 6.12 kg (<b>13.5 lbs.</b>)</li> <li>• <b>SD948G</b> – 8.30 kg (<b>18.3 lbs.</b>)</li> <li>• <b>SD964G</b> – 8.85 kg (<b>19.5 lbs.</b>)</li> <li>• <b>SD9120G</b> – TBA</li> </ul>
<b>Certifications</b>	• FCC, CE, RoHS, and REACH
<b>MIL-STD-810G</b>	• 501.5 / 502.5 / 507.5 / 514.6 / 516.6

## Product Replacement Parts

Part Numbers	Descriptions
<b>P1043</b>	• U-Reach ComboSD/MicroSD Replacement Socket for 8-24 Ports
<b>P1043-2</b>	• U-Reach ComboSD/MicroSD Replacement Socket for 32-120 Ports

## More Information

For additional details on the U-Reach® Intelligent 9 ComboSD/MicroSD Golden Series, please visit: <http://ureach-usa.com/sd-micro-sd-duplicator-1-to-119-SD9120G.html>

Specifications are subject to change without notice.