D-Link®

ISCSI IP SAN STORAGE

DSN-6000 Series

Quick Installation Guide+

Quick Installation Guide
DSN-6000 series
iSCSI IP SAN storage

Package Contents

If any of the items are missing, please contact your reseller.

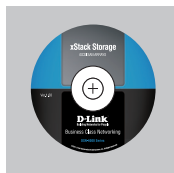IP SAN storage

HDD trays

Power cords

RS-232 cables

GBIC transceiver
and cable for
DSN-6410/ 6420
only

CD

Rail kit

Keys, screws for
drives and rail kit

Before installation

Before starting, prepare the following items.
1. A host with a Gigabit Ethernet NIC or iSCSI HBA.
2. CAT 5e, or CAT 6 network cables for management port and iSCSI data ports.
3. Prepare storage system configuration plan.
4. Prepare management port and iSCSI data ports network information. When using static IP, please prepare static IP addresses, subnet mask, and default gateway.
5. 10GbE switches (recommended). Or 10GbE switches with LCAP / Trunking (optional).
6. CHAP security information, including CHAP username and secret (optional).

Install drives

Note : Skip this section if you purchased a solution populated with drives.

To install SAS or SATA drives with no Bridge Board use the front mounting holes:

To install SATA drives with Bridge Board (DSN-654), fit the Bridge Board first.

Then install the drive using the rear mounting holes:

Drive slot numbering

Slot 1	Slot 4	Slot 7	Slot 10
Slot 2	Slot 5	Slot 8	Slot 11
Slot 3	Slot 6	Slot 9	Slot 12

Hard drives can be installed into any slot in the enclosure. Slot numbering will be reflected in web UI.

Note: It is advisable to install at least one drive in slots 1 ~ 4. System event logs are saved to drives in these slots; If no drives are fitted the event logs will be lost in the event of a system reboot.

Deployment

Please refer to the following topology and have all the connections ready.

1. Setup the hardware connection before powering on servers. Connect console cable, management port cable, and iSCSI data port cables in advance.
2. In addition, installing an iSNS server is recommended for dual controller system.
3. Power on IP SAN storage and JBOD (optional) first, and then power on hosts and iSNS server.
4. To ensure MPIO is set-up automatically it is recommended that you log on the target twice (from controller 1 then controller 2).

Note: iSNS server is recommended for dual controller system.

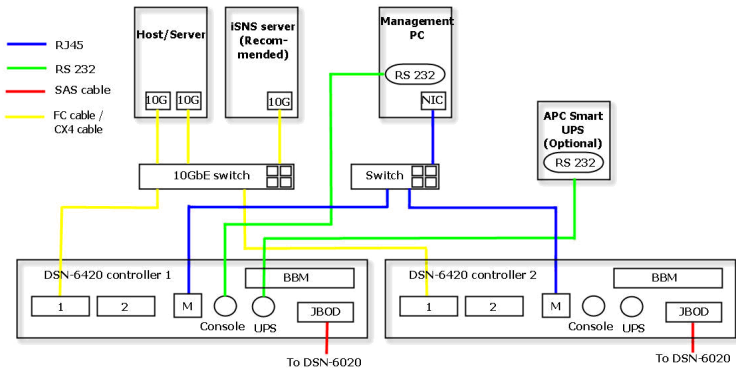**DSN-6110: 1GbE to SAS/ SATA IP SAN storage, Single controller.**
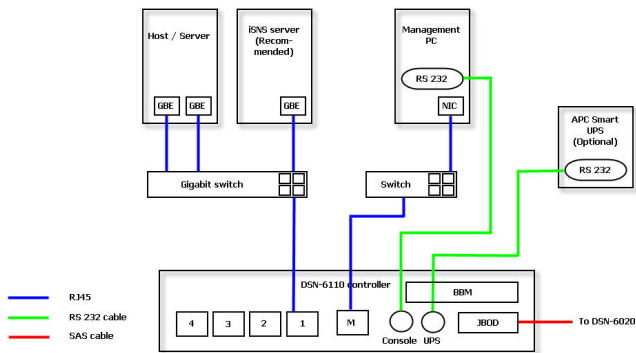
DSN-6110 with DSN-610: 1GbE to SAS/ SATA IP SAN storage, Dual redundant controller.
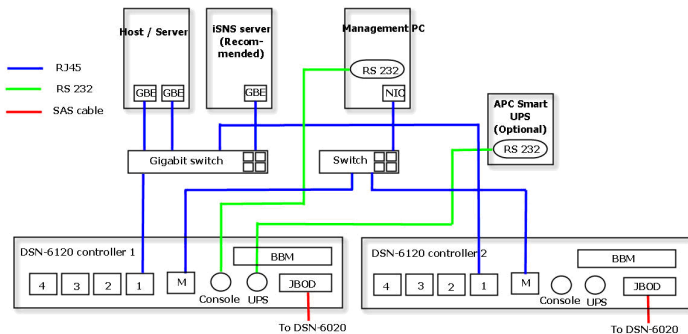
DSN-6410: 10GbE to SAS/ SATA IP SAN storage, Single controller.
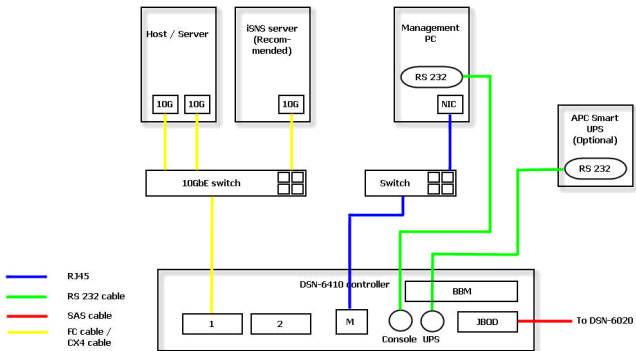
DSN-6410 with DSN-640: 10GbE to SAS/ SATA IP SAN storage, Dual redundant controller.
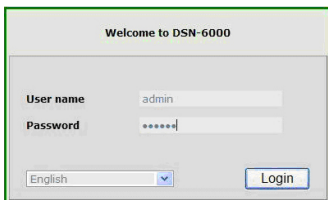
Configuration

1.Web UI

The D-Link DSN-6000 family includes a simple to use Graphical User Interface (GUI) for integration and management. Be sure to connect the LAN cable, open a browser and enter:
http://192.168.0.32
A dialog box for authentication will pop up.

User name: **admin**
Default password: **123456**
After login, choose the functions that list on the left hand side to start your configuration.

2.Quick installation

Please make sure that there are some free drives installed in this system. Please check the hard drive details in "**/ Volume configuration / Physical disk**".

Step1: Click the **"Quick installation"**; follow the steps to set up system name and date / time.
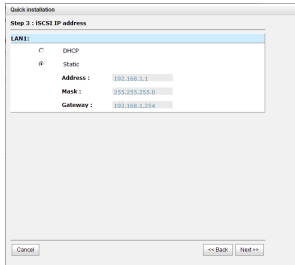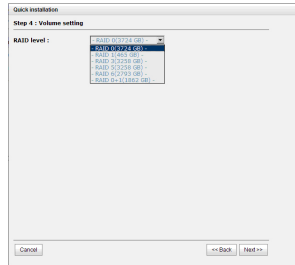**Step2:** Confirm the management port and DNS IP addresses are correct, and click **"Next"**.
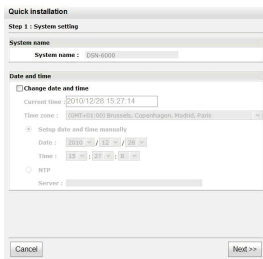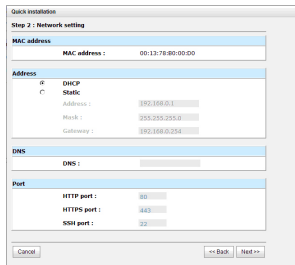
| Step 1 | Step 2 |

Step 3: Set up the data port IP and click **"Next"**.
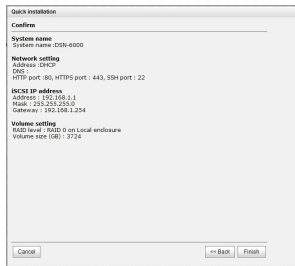**Step 4:** Set up the RAID level and volume size and click **"Next"**.

Step 3

Step 4

**Step 5:** Check all items, and click **"Finish".**

Step 5

Step 6: Done.
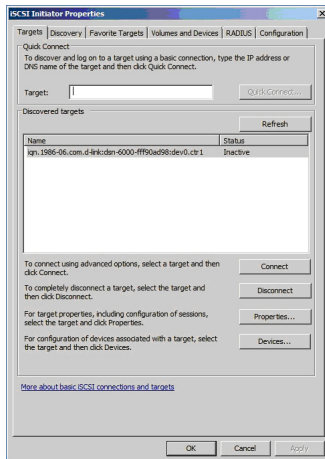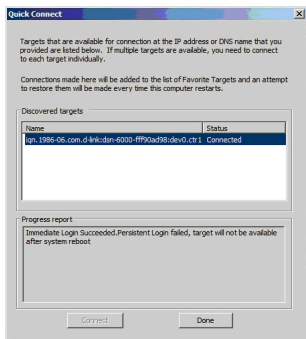
3.Logon Microsoft iSCSI initiator

Here are the step by step instructions to setup Microsoft iSCSI Initiator. Please visit Microsoft website for latest iSCSI initiator. This example is based on Microsoft Windows Server 2008 R2.

Connect

1.Run Microsoft iSCSI Initiator.
2.Input IP address or DNS name of the target. And then click **"Quick Connect"**.
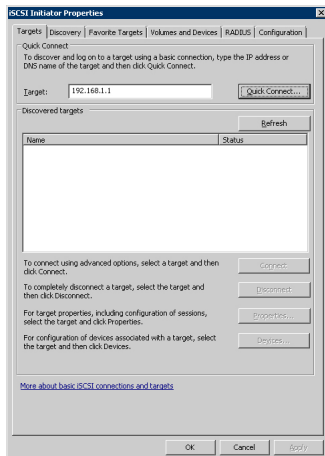
3.Click **"Done"**.

4.Your Computer can now connect to an iSCSI disk.

Notes

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Tech Support

D-Link's website contains the latest user documentation and software updates for D-Link products. U.S. and Canadian customers can contact D-Link Technical Support through our website or by phone.

United States
(877) 354-6555
http://support.dlink.com

Canada
(877) 354-6560
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