



SANnet® II Family Safety, Regulatory, and Compliance Manual

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Safety Agency Compliance Statements

Read this section before beginning any procedure. The following text provides safety precautions to follow when installing a Dot Hill product.

Safety Precautions

For your protection, observe the following safety precautions when setting up your equipment:

- Follow all cautions and instructions marked on the equipment.
- Ensure that the voltage and frequency of your power source match the voltage and frequency inscribed on the equipment's electrical rating label.
- Never push objects of any kind through openings in the equipment. Dangerous voltages may be present. Conductive foreign objects could produce a short circuit that could cause fire, electric shock, or damage to your equipment.

Symbols

The following symbols may appear in this book:



Caution – There is a risk of personal injury and equipment damage. Follow the instructions.



Caution – Hazardous voltages are present. To reduce the risk of electric shock and danger to personal health, follow the instructions.

Modifications to Equipment

Do not make mechanical or electrical modifications to the equipment. Dot Hill is not responsible for regulatory compliance of a modified Dot Hill product.

Placement of a Dot Hill Product



Caution – Do not block or cover the openings of your Dot Hill product. Never place a Dot Hill product near a radiator or heat register. Failure to follow these guidelines can cause overheating and affect the reliability of your Dot Hill product.

SELV Compliance

Safety status of I/O connections comply to SELV requirements.

Power Cord Connection



Caution – Dot Hill products are designed to work with single-phase power systems having a grounded neutral conductor. To reduce the risk of electric shock, do not plug Dot Hill products into any other type of power system. Contact your facilities manager or a qualified electrician if you are not sure what type of power is supplied to your building.



Caution – Not all power cords have the same current ratings. Household extension cords do not have overload protection and are not meant for use with **data storage** systems. Do not use household extension cords with your Dot Hill product.



Caution – Your Dot Hill product is shipped with a grounding type (three-wire) power cord. To reduce the risk of electric shock, always plug the cord into a grounded power outlet.

Lithium Battery



Caution – In the SANnet II Family units, there is a lithium battery. There is danger of explosion if the battery pack is mishandled or incorrectly replaced. Replacement should only be done by qualified Dot Hill personnel.

Class 1 Laser Warning

Note – This warning only applies to the SANnet® II 200 FC array.



Regulatory Compliance Statements

Your Dot Hill product is marked to indicate its compliance class:

- Federal Communications Commission (FCC) — USA
- Voluntary Control Council for Interference (VCCI) — Japan
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) — Canada

Please read the appropriate section that corresponds to the marking on your Dot Hill product before attempting to install the product.

ICES-003 Class A Notice - Avis NMB-003, Classe A

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme la norme NMB-003 du Canada.

ICES-003 Class B Notice - Avis NMB-003, Classe B

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme la norme NMB-003 du Canada.

FCC Class A Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Shielded Cables: Connections between the workstation and peripherals must be made using shielded cables to comply with FCC radio frequency emission limits. Networking connections can be made using unshielded twisted-pair (UTP) cables.

Modifications: Any modifications made to this device that are not approved by Dot Hill may void the authority granted to the user by the FCC to operate this equipment.

FCC Class B Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Shielded Cables: Connections between the workstation and peripherals must be made using shielded cables in order to maintain compliance with FCC radio frequency emission limits. Networking connections can be made using unshielded twisted pair (UTP) cables.

Modifications: Any modifications made to this device that are not approved by Dot Hill may void the authority granted to the user by the FCC to operate this equipment.



Declaration of Conformity

Compliance Model Number: M2F2A
Product Family Name: SANnet II 200 FC Array

EMC

USA - FCC Class B

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This equipment may not cause harmful interference.
2. This equipment must accept any interference that may cause undesired operation.

European Union

This equipment complies with the following requirements of the EMC Directive 89/336/EEC:

As Telecommunication Network Equipment (TNE) in Both Telecom and Other Than Telecom Centers per (as applicable):

EN300-386 V1.3.1 (09-2001) Required Limits:

EN55022/CISPR22	Class B
EN61000-4-2	6 kV (Direct), 8 kV (Air)
EN61000-4-3	3 V/m 80-1000 MHz, 10 V/m 800-960 MHz and 1400-2000 MHz
EN61000-4-4	1 kV AC and 0.5 kV DC Power Lines, 0.5 kV Signal Lines
EN61000-4-5	2 kV AC Line-GND, 1 kv AC Line-Line, 0.5 kV DC Power Lines, no Outdoor Signal Lines, no Indoor Signal Lines > 10m
EN61000-4-6	3V
EN61000-4-11	Pass
EN61000-3-2	Pass
EN61000-3-3	Pass

As Information Technology Equipment (ITE) Class B per (as applicable):

EN55022:1998/CISPR22:1997

Class B

EN55024:1998

Required Limits:

EN61000-4-2	4 kV (Direct), 8 kV (Air)
EN61000-4-3	3 V/m
EN61000-4-4	0.5 kV DC Power Lines, 1 kV AC Power Lines, 0.5 kV Signal Lines
EN61000-4-5	0.5 kV DC Power Lines, 1kV (Line-Line) and 2 kV (Line-GND) AC Power Lines, no Outdoor Signal Lines
EN61000-4-6	3V
EN61000-4-8	Pass
EN61000-4-11	Pass
EN61000-3-2:1995 + A1, A2, A14	Pass
EN61000-3-3:1995	Pass

Safety: This equipment complies with the following requirements of the Low Voltage Directive 73/23/EEC:

EC Type Examination Certificates:

EN60950 (2000) 3rd Edition

TÜV Rheinland Certificate No. S72030046

IEC 60950 3rd Edition (1999)

TÜV Rheinland Certificate No. S72030047

CB Scheme Certificate No. US/6780B/UL

CB Scheme Certificate No. US/6781B/UL

Evaluated to all CB Countries

UL 60950, 3rd Edition: 2000 CSA, C22.2 No. 60950-00

File: E156631

Vol. 4

Sec. 2

Supplementary Information: This product was tested and complies with all the requirements for the CE Mark.

/S/

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Declaration of Conformity

Compliance Model Number: M2L2A
Product Family Name: SANnet II 200 SCSI Array and
SANnet II 220 SCSI Array

EMC

USA - FCC Class B

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This equipment may not cause harmful interference.
2. This equipment must accept any interference that may cause undesired operation.

European Union

This equipment complies with the following requirements of the EMC Directive 89/336/EEC:

As Telecommunication Network Equipment (TNE) in Both Telecom and Other Than Telecom Centers per (as applicable):

EN300-386 V1.3.1 (09-2001)	Required Limits:	Class B
	EN55022/CISPR22	Class B
	EN61000-4-2	6 kV (Direct), 8 kV (Air)
	EN61000-4-3	3 V/m 80-1000 MHz, 10 V/m 800-960 MHz and 1400-2000 MHz
	EN61000-4-4	1 kV AC and 0.5 kV DC Power Lines, 0.5 kV Signal Lines
	EN61000-4-5	2 kV AC Line-GND, 1 kv AC Line-Line, 0.5 kV DC Power Lines, no Outdoor Signal Lines, no Indoor Signal Lines > 10m
	EN61000-4-6	3V
	EN61000-4-11	Pass
	EN61000-3-2	Pass
	EN61000-3-3	Pass

As Information Technology Equipment (ITE) Class B per (as applicable):

EN55022:1998/CISPR22:1997	Required Limits:	Class B
EN55024:1998	EN61000-4-2	4 kV (Direct), 8 kV (Air)
	EN61000-4-3	3 V/m
	EN61000-4-4	0.5 kV DC Power Lines, 1 kV AC Power Lines, 0.5 kV Signal Lines
	EN61000-4-5	0.5 kV DC Power Lines, 1kV (Line-Line) and 2 kV (Line-GND) AC Power Lines, no Outdoor Signal Lines
	EN61000-4-6	3V
	EN61000-4-8	Pass
	EN61000-4-11	Pass
EN61000-3-2:1995 + A1, A2, A14		Pass
EN61000-3-3:1995		Pass

Safety: This equipment complies with the following requirements of the Low Voltage Directive 73/23/EEC:

EC Type Examination Certificates:

EN60950 (2000) 3rd Edition	TÜV Rheinland Certificate No. S2272955
IEC 60950 3rd Edition (1999)	TÜV Rheinland Certificate No. S2272930
	CB Scheme Certificate No. US/6300B/UL
	CB Scheme Certificate No. US/6271B/UL
Evaluated to all CB Countries	
UL 60950, 3rd Edition: 2000 CSA, C22.2 No. 60950-00	File: E156631 Vol. 4 Sec. 1

Supplementary Information: This product was tested and complies with all the requirements for the CE Mark.

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Declaration of Conformity

Compliance Model Number: M1L1A
Product Family Name: SANnet II Blade Array

EMC

USA - FCC Class B

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This equipment may not cause harmful interference.
- 2) This equipment must accept any interference that may cause undesired operation.

European Union

This equipment complies with the following requirements of the EMC Directive 89/336/EEC:
As Telecommunication Network Equipment (TNE) in Both Telecom and Other Than Telecom Centers per (as applicable):

EN300-386 V1.3.1 (09-2001)	Required Limits:	
EN55022/CISPR22		Class B
EN61000-3-2		Pass
EN61000-3-3		Pass
EN61000-4-2		6 kV (Direct), 8 kV (Air)
EN61000-4-3		3 V/m 80-1000 MHz, 10 V/m 800-960 MHz and 1400-2000 MHz
EN61000-4-4		1 kV AC and 0.5 kV DC Power Lines, 0.5 kV Signal Lines
EN61000-4-5		2 kV AC Line-GND, 1 kv AC Line-Line, 0.5 kV DC Power Lines, no Outdoor Signal Lines, no Indoor Signal Lines > 10m
EN61000-4-6		3V
EN61000-4-11		Pass

As Information Technology Equipment (ITE) Class B per (as applicable):

EN55022:1998/CISPR22:1997	Required Limits:	
EN55024:1998		Class B
EN61000-4-2		4 kV (Direct), 8 kV (Air)
EN61000-4-3		3 V/m
EN61000-4-4		0.5 kV DC Power Lines, 1 kV AC Power Lines, 0.5 kV Signal Lines
EN61000-4-5		0.5 kV DC Power Lines, 1 kV (Line-Line) and 2 kV (Line-Gnd), no Outdoor Signal Lines
EN61000-4-6		3V
EN61000-4-8		Pass
EN61000-4-11		Pass
EN61000-3-2:1995 + A1, A2, A14		Pass
EN61000-3-3:1995		Pass

Safety: This equipment complies with the following requirements of the Low Voltage Directive 73/23/EEC:

EC Type Examination Certificates:

EN60950 (2000) 3rd Edition	TÜV Rheinland Certificate No. S72030904, No. S7200905
IEC 60950 3rd Edition (1999)	CB Scheme Certificate No. US/7250B/UL, US/7249B/UL
Evaluated to all CB Countries	
UL 60950, 3rd Edition: 2000 CSA, C22.2 No. 60950-00	UL Test Report No. E156631-A5-UL-1
	UL Test Report No. E156631-A4-UL-1

Supplementary Information: This product was tested and complies with all the requirements for the CE Mark.

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Declaration of Conformity

Compliance Model Number: M2S2A
Product Family Name: SANnet II 200 SATA Array and SANnet II 200 SATA SE Array

EMC

USA - FCC Class B

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This equipment may not cause harmful interference.
2. This equipment must accept any interference that may cause undesired operation.

European Union

This equipment complies with the following requirements of the EMC Directive 89/336/EEC:

As Telecommunication Network Equipment (TNE) in Both Telecom and Other Than Telecom Centers per (as applicable):

EN300-386 V1.3.1 (09-2001)	Required Limits:	Class B
	EN55022/CISPR22	Class B
	EN61000-3-2	Pass
	EN61000-3-3	Pass
	EN61000-4-2	6 kV (Direct), 8 kV (Air)
	EN61000-4-3	3 V/m 80-1000 MHz, 10 V/m 800-960 MHz and 1400-2000 MHz
	EN61000-4-4	1 kV AC and 0.5 kV DC Power Lines, 0.5 kV Signal Lines
	EN61000-4-5	2 kV AC Line-GND, 1 kv AC Line-Line, 0.5 kV DC Power Lines, no Outdoor Signal Lines, no Indoor Signal Lines > 10m
	EN61000-4-6	3V
	EN61000-4-11	Pass

As Information Technology Equipment (ITE) Class B per (as applicable):

EN55022:1998/CISPR22:1997		Class B
EN55024:1998	Required Limits:	
	EN61000-4-2	4 kV (Direct), 8 kV (Air)
	EN61000-4-3	3 V/m
	EN61000-4-4	0.5 kV DC Power Lines, 1 kV AC Power Lines, 0.5 kV Signal Lines
	EN61000-4-5	0.5 kV DC Power Lines, 1 kV (Line-Line) and 2 kV (Line-Gnd), no Outdoor Signal Lines
	EN61000-4-6	3V
	EN61000-4-8	Pass
	EN61000-4-11	Pass
EN61000-3-2:1995 + A1, A2, A14		Pass
EN61000-3-3:1995		Pass

Safety: This equipment complies with the following requirements of the Low Voltage Directive 73/23/EEC:

EC Type Examination Certificates:	
EN60950 (2000) 3rd Edition	Zertifikat Nr. 1177
IEC 60950 3rd Edition (1999)	CB Scheme Certificate No. US/8362/UL, US/8363/UL
Evaluated to all CB Countries	
UL 60950, 3rd Edition: 2000 CSA, C22.2 No. 60950-00	UL Test Report No. 156631-A8-UL-1 UL Test Report No. 156631-A9-UL-2

Supplementary Information: This product was tested and complies with all the requirements for the CE Mark.

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