QSAN System Document

Operation Environment Specification

This document summarizes the environmental operating specifications and conditions for QSAN Unified Storage and Block Storage product families. The information provided below defines the supported temperature and humidity ranges to ensure stable operation, reliability, and long-term deployment across enterprise and data center environments.

This document covers the following product models:

Unified Storage:

- **All-NVMe Unified Storage:** XN5 / XN4 / XN3 Series
- **SAS Hybrid Unified Storage:** XN8100 / XN5100 Series
- **NVMe & SATA Hybrid Unified Storage:** XN2 / XN1 Series

Block Storage:

- **All-NVMe Block Storage:** XF5 / XF4 / XF3 Series
- **SAS Hybrid Block Storage:** XS5300 / XS3300 Series

The table below is applicable to:

XN5 / XN4 / XF5 / XF4 Series

Specification	
Operating Temperature	0°C to 35°C
Storage Temperature	0°C to 45°C
Operating Humidity (Rh)	80% (Maximum)
Storage Humidity (Rh)	20% to 80%

The table below is applicable to:

XN3 / XN8100 / XN5100 / XN2 / XN1 / XS5300 / XS3300 Series

Specification	
Operating Temperature	0°C to 40°C
Storage Temperature	0°C to 45°C
Operating Humidity (Rh)	80% (Maximum)
Storage Humidity (Rh)	20% to 80%

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