

TOSHIBA



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N300 NAS Hard Drives

Elevate your data management

The 3.5-inch N300 NAS Hard Drive offers unprecedented reliability for NAS and other high-performance storage systems. It is optimized to meet the reliability, endurance, performance and scalability requirements of 24-hour x 7-day high-capacity storage for personal, home office and small business use. Its Toshiba NASLink™ Technology fine-tunes HDD behaviour for rapid data access and the firmware boosts RAID performance through optimized disk coordination. The N300 is available in capacities of up to 22 TB.

Use for

- NAS and Multimedia Server
- Desktop RAID and Server
- Private Cloud Storage
- Small Business Server and Storage

Top Features

- SATA** 3.5" SATA Hard Drive
- RPM** 7,200 rpm
-  512 MB / 1024 MB buffer
- 24/7** 24/7 operation
-  Supports 1-to-8 / 1-to-12 bay NAS
-  Toshiba NASLink™ Technology

Capacities

22 TB	20 TB	18 TB	16 TB	14 TB
12 TB	10 TB	8 TB	6 TB	4 TB



N300

NAS Hard Drive – 22 TB

Retail Number	n/a
Bulk Number	MN11ACA22TS

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 12
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	298
Buffer size (MB)	1024

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10 ¹⁵
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	7.62 W typ.
Consumption (active idle)	4.35 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	490 m/s ² {50 G} (2 ms duration)
Shock (non-operating)	1,960 m/s ² {200 G} (2 ms duration)
Acoustics (idle mode)	20 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	720 g

N300
NAS Hard Drive – 22 TB

Retail Number	n/a
Bulk Number	MN11ACA22TS

Logistic Information (Retail Packaging)

Box dimensions	n/a
Master Carton dimensions	n/a
Master Carton Weight	n/a
Box per master carton	n/a
Units per Pallet	n/a
Pallet dimensions	n/a
Pallet quantity per layer	n/a
Number of Layer	n/a
Pallet weight	n/a

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	476 (L) x 285 (W) x 228 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	880 (L) x 990 (W) x 1,272 (H) mm
Pallet weight	479 kg
Country of Origin	Philippines

N300

NAS Hard Drive – 20 TB

Retail Number	n/a
Bulk Number	MN11ACA20TS

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 12
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	294
Buffer size (MB)	1024

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10 ¹⁵
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	7.62 W typ.
Consumption (active idle)	4.35 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	490 m/s ² {50 G} (2 ms duration)
Shock (non-operating)	1,960 m/s ² {200 G} (2 ms duration)
Acoustics (idle mode)	20 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	720 g

N300

NAS Hard Drive – 20 TB

Retail Number	n/a
Bulk Number	MN11ACA20TS

Logistic Information (Retail Packaging)

Box dimensions	n/a
Master Carton dimensions	n/a
Master Carton Weight	n/a
Box per master carton	n/a
Units per Pallet	n/a
Pallet dimensions	n/a
Pallet quantity per layer	n/a
Number of Layer	n/a
Pallet weight	n/a

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	476 (L) x 285 (W) x 228 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	880 (L) x 990 (W) x 1,272 (H) mm
Pallet weight	479 kg
Country of Origin	Philippines

N300

NAS Hard Drive – 18 TB

Retail Number	n/a
Bulk Number	MN11ACA18TS

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 12
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	294
Buffer size (MB)	1024

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10^15
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	7.41 W typ.
Consumption (active idle)	4.16 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s2 (0.75 G) (5 to 300 Hz) 2.45 m/s2 (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)
Shock (operating)	490 m/s2 {50 G} (2 ms duration)
Shock (non-operating)	1,960 m/s2 {200 G} (2 ms duration)
Acoustics (idle mode)	20 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	720 g

N300

NAS Hard Drive – 18 TB

Retail Number	n/a
Bulk Number	MN11ACA18TS

Logistic Information (Retail Packaging)

Box dimensions	n/a
Master Carton dimensions	n/a
Master Carton Weight	n/a
Box per master carton	n/a
Units per Pallet	n/a
Pallet dimensions	n/a
Pallet quantity per layer	n/a
Number of Layer	n/a
Pallet weight	n/a

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	500 (L) x 310 (W) x 228 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	1,050 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	479 kg
Country of Origin	Philippines

N300
NAS Hard Drive – 16 TB

Retail Number	n/a
Bulk Number	MN11ACA16TS

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 12
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	294
Buffer size (MB)	1024

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10^15
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	6.94 W typ.
Consumption (active idle)	3.66 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s2 (0.75 G) (5 to 300 Hz) 2.45 m/s2 (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)
Shock (operating)	490 m/s2 {50 G} (2 ms duration)
Shock (non-operating)	1,960 m/s2 {200 G} (2 ms duration)
Acoustics (idle mode)	20 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	720 g

N300

NAS Hard Drive – 16 TB

Retail Number	n/a
Bulk Number	MN11ACA16TS

Logistic Information (Retail Packaging)

Box dimensions	n/a
Master Carton dimensions	n/a
Master Carton Weight	n/a
Box per master carton	n/a
Units per Pallet	n/a
Pallet dimensions	n/a
Pallet quantity per layer	n/a
Number of Layer	n/a
Pallet weight	n/a

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	500 (L) x 310 (W) x 228 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	1,050 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	479 kg
Country of Origin	Philippines

N300

NAS Hard Drive – 14 TB

Retail Number	n/a
Bulk Number	MN11ACA14TS

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 12
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	294
Buffer size (MB)	1024

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10^15
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	6.94 W typ.
Consumption (active idle)	3.66 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s2 (0.75 G) (5 to 300 Hz) 2.45 m/s2 (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)
Shock (operating)	490 m/s2 {50 G} (2 ms duration)
Shock (non-operating)	1,960 m/s2 {200 G} (2 ms duration)
Acoustics (idle mode)	20 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	705 g

N300
NAS Hard Drive – 14 TB

Retail Number	n/a
Bulk Number	MN11ACA14TS

Logistic Information (Retail Packaging)

Box dimensions	136 (L) x 60 (W) x 189 (H) mm
Master Carton dimensions	265 (L) x 150 (W) x 210 (H) mm
Master Carton Weight	4 kg
Box per master carton	4 pcs
Units per Pallet	480 pcs
Pallet dimensions	1,120 (L) x 1,060 (W) x 1,200 (H) mm
Pallet quantity per layer	96 pcs
Number of Layer	5 layer
Pallet weight	448 kg

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	500 (L) x 310 (W) x 228 (H) mm
Master Carton Weight	15 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	1,050 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	479 kg
Country of Origin	Philippines

N300
NAS Hard Drive – 14 TB

Retail Number	HDWG51EEZSTA
Bulk Number	n/a

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 8
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	294
Buffer size (MB)	512

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	7.38 W typ.
Consumption (active idle)	3.77 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	20 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	705 g

N300
NAS Hard Drive – 14 TB

Retail Number	HDWG51EEZSTA
Bulk Number	n/a

Logistic Information (Retail Packaging)

Box dimensions	136 (L) x 60 (W) x 189 (H) mm
Master Carton dimensions	265 (L) x 150 (W) x 210 (H) mm
Master Carton Weight	4 kg
Box per master carton	4 pcs
Units per Pallet	480 pcs
Pallet dimensions	1,120 (L) x 1,060 (W) x 1,200 (H) mm
Pallet quantity per layer	96 pcs
Number of Layer	5 layer
Pallet weight	448 kg

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	500 (L) x 310 (W) x 228 (H) mm
Master Carton Weight	15 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	1,050 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	469 kg
Country of Origin	Philippines

N300
NAS Hard Drive – 12 TB

Retail Number	HDWG51CEZSTA
Bulk Number	HDWG51CUZSVA

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 8
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	6.85 W typ.
Consumption (active idle)	3.30 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	20 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	690 g

N300
NAS Hard Drive – 12 TB

Retail Number	HDWG51CEZSTA
Bulk Number	HDWG51CUZSVA

Logistic Information (Retail Packaging)

Box dimensions	136 (L) x 60 (W) x 189 (H) mm
Master Carton dimensions	265 (L) x 150 (W) x 210 (H) mm
Master Carton Weight	3 kg
Box per master carton	4 pcs
Units per Pallet	480 pcs
Pallet dimensions	1,120 (L) x 1,060 (W) x 1,200 (H) mm
Pallet quantity per layer	96 pcs
Number of Layer	5 layer
Pallet weight	441 kg

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	500 (L) x 310 (W) x 228 (H) mm
Master Carton Weight	15 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	1,050 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	460 kg
Country of Origin	Philippines

N300
NAS Hard Drive – 10 TB

Retail Number	HDWG71AEZSTA
Bulk Number	MN10ADA10TS

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 8
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,000,000
Unrecoverable error rate	1 per 10 ¹⁵
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	9.07 W typ.
Consumption (active idle)	5.74 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	755 g

N300

NAS Hard Drive – 10 TB

Retail Number	HDWG71AEZSTA
Bulk Number	MN10ADA10TS

Logistic Information (Retail Packaging)

Box dimensions	136 (L) x 60 (W) x 189 (H) mm
Master Carton dimensions	265 (L) x 150 (W) x 210 (H) mm
Master Carton Weight	4 kg
Box per master carton	4 pcs
Units per Pallet	480 pcs
Pallet dimensions	1,120 (L) x 1,060 (W) x 1,200 (H) mm
Pallet quantity per layer	96 pcs
Number of Layer	5 layer
Pallet weight	472 kg

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	410 (L) x 308 (W) x 228 (H) mm
Master Carton Weight	17 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	870 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	510 kg
Country of Origin	Philippines

N300
NAS Hard Drive – 8 TB

Retail Number	HDWG780EZSTA
Bulk Number	MN10ADA800S

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 8
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,000,000
Unrecoverable error rate	1 per 10^15
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	9.07 W typ.
Consumption (active idle)	5.74 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s2 (0.75 G) (5 to 300 Hz) 2.45 m/s2 (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s2 {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s2 {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	755 g

N300
NAS Hard Drive – 8 TB

Retail Number	HDWG780EZSTA
Bulk Number	MN10ADA800S

Logistic Information (Retail Packaging)

Box dimensions	136 (L) x 60 (W) x 189 (H) mm
Master Carton dimensions	265 (L) x 150 (W) x 210 (H) mm
Master Carton Weight	4 kg
Box per master carton	4 pcs
Units per Pallet	480 pcs
Pallet dimensions	1,120 (L) x 1,060 (W) x 1,200 (H) mm
Pallet quantity per layer	96 pcs
Number of Layer	5 layer
Pallet weight	472 kg

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	410 (L) x 308 (W) x 228 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	870 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	510 kg
Country of Origin	Philippines

N300

NAS Hard Drive – 6 TB

Retail Number	HDWG760EZSTA
Bulk Number	MN10ADA600S

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 8
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,000,000
Unrecoverable error rate	1 per 10 ¹⁵
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	8.19 W typ.
Consumption (active idle)	4.92 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	730 g

N300

NAS Hard Drive – 6 TB

Retail Number	HDWG760EZSTA
Bulk Number	MN10ADA600S

Logistic Information (Retail Packaging)

Box dimensions	136 (L) x 60 (W) x 189 (H) mm
Master Carton dimensions	265 (L) x 150 (W) x 210 (H) mm
Master Carton Weight	4 kg
Box per master carton	4 pcs
Units per Pallet	480 pcs
Pallet dimensions	1,120 (L) x 1,060 (W) x 1,200 (H) mm
Pallet quantity per layer	96 pcs
Number of Layer	5 layer
Pallet weight	460 kg

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	410 (L) x 308 (W) x 228 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	870 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	495 kg
Country of Origin	Philippines

N300
NAS Hard Drive – 4 TB

Retail Number	HDWG740EZSTC
Bulk Number	MN10ADA400ES

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Drive bays supported	up to 8
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,000,000
Unrecoverable error rate	1 per 10 ¹⁵
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	7.43 W typ.
Consumption (active idle)	4.14 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	710 g

N300
NAS Hard Drive – 4 TB

Retail Number	HDWG740EZSTC
Bulk Number	MN10ADA400ES

Logistic Information (Retail Packaging)

Box dimensions	136 (L) x 60 (W) x 189 (H) mm
Master Carton dimensions	265 (L) x 150 (W) x 210 (H) mm
Master Carton Weight	4 kg
Box per master carton	4 pcs
Units per Pallet	480 pcs
Pallet dimensions	1,120 (L) x 1,060 (W) x 1,200 (H) mm
Pallet quantity per layer	96 pcs
Number of Layer	5 layer
Pallet weight	451 kg

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	410 (L) x 308 (W) x 228 (H) mm
Master Carton Weight	15 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	870 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	483 kg
Country of Origin	Philippines