

# TOSHIBA



[View more](#)

## 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. 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 buffer
	High reliability and enhanced real-time performance
24/7	24/7 operation

#### 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	HDWG62CUZSVA

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 <sup>15</sup>
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	8.02 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 <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	490 m/s <sup>2</sup> {50 G} (2 ms duration)
Shock (non-operating)	1,960 m/s <sup>2</sup> {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	HDWG62CUZSVA

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	473 kg
Country of Origin	Philippines

N300  
NAS Hard Drive – 20 TB

Retail Number	n/a
Bulk Number	HDWG62AUZSVA

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 <sup>15</sup>
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	8.02 W typ.
Consumption (active idle)	4.41 W typ.

Environmental

Temperature (operating/non-operating)	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	490 m/s <sup>2</sup> {50 G} (2 ms duration)
Shock (non-operating)	1,960 m/s <sup>2</sup> {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	HDWG62AUZSVA

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	473 kg
Country of Origin	Philippines

N300

NAS Hard Drive – 18 TB

Retail Number	n/a
Bulk Number	HDWG51JUZSVA

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 <sup>14</sup>
24 x 7 operation	yes
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	7.48 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 <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s <sup>2</sup> {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	720 g

N300  
NAS Hard Drive – 18 TB

Retail Number	n/a
Bulk Number	HDWG51JUZSVA

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	478 kg
Country of Origin	Philippines

N300

NAS Hard Drive – 16 TB

Retail Number	n/a
Bulk Number	HDWG51GUZSVA

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)	7.48 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/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)	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	HDWG51JUZSVA

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	478 kg
Country of Origin	Philippines

N300

NAS Hard Drive – 14 TB

Retail Number	HDWG51EEZSTA
Bulk Number	HDWG51EUZSVA

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 <sup>14</sup>
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 <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s <sup>2</sup> {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	HDWG51JUZSVA

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 <sup>14</sup>
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 <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s <sup>2</sup> {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/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 – 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 <sup>15</sup>
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 <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s <sup>2</sup> {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 <sup>15</sup>
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 <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s <sup>2</sup> {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 <sup>15</sup>
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 <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s <sup>2</sup> {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