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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. 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 operation

Capacities

22 20 18 16 14 TB TB TB TB TE TE



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 10^15
24 x 7 operation	yes
Limited warranty (years)	3
Power Management	
Tower 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	5 to 60 °C
(operating/non-operating)	-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 – 22 TB

6 : 32	
Retail Number	n/a
Bulk Number	HDWG62CUZSVA
Logistic Information (Retail F	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 10^15
24 x 7 operation	yes
Limited warranty (years)	3
Power Management	
Supply voltage	5 V DC +10 %/-7 % 12 V DC ±10 %
Consumption (operating)	8.02 W typ.
Consumption (active idle)	4.41 W typ.
Environmental	
Temperature	5 to 60 °C
(operating/non-operating)	-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 – 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 10^14
24 x 7 operation	yes
Limited warranty (years)	3
Power Management	
	5 V DC +10 %/-7 %
Supply voltage	12 V DC ±10 %
Consumption (operating)	7.48 W typ.
Consumption (active idle)	4.14 W typ.
Environmental	
Temperature	5 to 60 °C
(operating/non-operating)	-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



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
De la Caratteria	
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	5 to 60 ℃
(operating/non-operating)	-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 10^14
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/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) × 101.85 (W) × 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

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

yes

yes

yes

yes

Halogen free
Performance

RoHS compatible

Shock Sensor

Advanced Format (AF)

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/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	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

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
	j
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

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

Sample S	Retail Number	HDWG780EZSTA
Form factor S3 Fin A C G G Fin Fin Company CMR	Bulk Number	MN10ADA800S
Form factor S3 Fin A C G G Fin Fin Company CMR	Basic Specifications	
Interface SATA.6.0 Gblt/s		2.5 inch
Recording Technology		
Drive bays supported up to 8 Rotational Vibration (RV) Sensors yes Advanced Format (AF) yes Rott Sconpatible yes Hallogen free yes Performance Rotational speed (pm) Rotational speed (pm) 7,200 Max. data transfer spood (pursained MR)'s Typ.) 281 Buffer ser (MB) 512 Reliability Well-Rott (TR)/year) Well-Rott (TR)/year) 180 MTTF (hours) 1,000,000 Unrecoverable error rate 1,000,000 <		· · · · · · · · · · · · · · · · · · ·
Rotation (RV) Sensors yes Sensor S		
Shock Sensor yes		
Advanced Format (AF)		
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 Redisability Red		
Halogen free yes		
Performance Rotational speed (rpm) 7,200 Mox. data transfer speed (sustained MB/s Tpp.) 281 Subfirer 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 United warranty (years) 3 Power Management Supply voltage 5 VDC +10 %/-7 % Consumption (operating) 9.07 W sp. Consumption (active idle) 5.74 W fyp. Environmental Task m/s (0,75 G) (5 to 200 Hz) Vibration (operating) 7.35 m/s 2 (0,75 G) (5 to 200 Hz) Vibration (operating) (5 to 500 Hz) Vibration (one-operating) (5 to 500 Hz) Shock (operating) (5 to 500 Hz) Shock (operating) (2 ms duration) Shock (non-operating) (2 ms duration) Shock (mone) 34 dB typ. Physical Dimensions 147 (U × 101.85 (W) × 26.1 (H) mm		
Rotational speed (rpm) 7,200 Max. data transfer speed (sustained MB/s Typ.) 281 Buffer size (MB) 512 Reliability 180 MTTF (hours) 1,000,000 Unrecoverable error rate 1 per 10°15 24 x Toperation yes Limited warranty (years) 3 Power Management Supply voltage 5 VDC +10 %/-7 % Consumption (perating) 9.07 W typ. Consumption (active idle) 5.74 W typ. Environmental 5 to 60 °C Environmental 40 to 70 °C Vibration (operating) 7.35 m/s2 (0.75 G) (5 to 300 Hz) Vibration (non-operating) 29.4 m/s2 (3.0 G) (5 to 500 Hz) Shock (operating) (86 m/s2 (70 G) (2.05 G) (200 to 500 Hz) Shock (on-operating) (2 ms duration) Shock (mode) 34 dB typ. Physical Dimensions 147 (U x 10.185 (W) x 26.1 (H) mm		,
Max. data transfer speed (sustained MB/s Typ.) Buffer size (MB) Reliability Workloads (TB/year) MTTF (hours) Unrecoverable error rate 1 per 10°15 24×7 operation Power Management Supply voltage Consumption (operating) Consumption (active idle) Straw (active idle) Environmental Temperature (operating) (operating) Wibration (operating) Vibration (non-operating) Vibration (non-operating) Shock (operating) Shock (one-operating) Shock (one-operating) Acoustics (idle mode) Physical Physical Dimensions 147 (L) × 10.18.5 (W) × 26.1 (H) mm		
Sustained MB/s Typ.)		7,200
Note	Max. data transfer speed (sustained MB/s Typ.)	281
Morticoads (TB/year) 180 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000,000 1,000,000,000 1,000,000,000 1,000,000,000 1,000,000,000 1,000,000,000,000 1,000,000,000,000,000,000,000,000,000,0	Buffer size (MB)	512
### MTTF (hours)	Reliability	
Unrecoverable error rate 1 per 10^15 24 x 7 operation yes Limited warranty (years) 3 Power Management SVDC +10 %/-7 % Supply voltage 5 V DC +10 %/-7 % Consumption (operating) 9.07 W typ. Consumption (active idle) 5.74 W typ. Environmental Temperature (operating/non-operating) 40 to 70 °C Vibration (operating) 7.35 m/s2 (0.75 G) (5 to 300 Hz) Vibration (non-operating) 2.45 m/s2 (0.25 G)(300 to 500 Hz) Vibration (non-operating) 686 m/s2 (70 G) (5 to 500 Hz) Shock (operating) 2,450 m/s2 (250 G) (2 ms duration) Acoustics (idle mode) 34 dB typ. Physical Dimensions 147 (L) x 10.185 (W) x 26.1 (H) mm	Workloads (TB/year)	180
24 x 7 operation yes Limited warranty (years) 3 Power Management 5 VDC +10 %/-7 % Supply voltage 5 VDC ±10 % Consumption (operating) 9.07 W typ. Consumption (active idle) 5.74 W typ. Environmental 5 to 60 °C Coperating/non-operating) 7.35 m/s2 (0.75 G) (5 to 300 Hz) Vibration (operating) 7.45 m/s2 (0.75 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 (on-operating) 2,450 m/s2 (250 G) (2 ms duration) Acoustics (idle mode) 3 d B typ. Physical Dimensions 147 (L) x 101.85 (W) x 26.1 (H) mm	MTTF (hours)	1,000,000
Consumption (operating) 3 3 3 3 3 3 3 3 3	Unrecoverable error rate	1 per 10^15
Supply voltage	24 x 7 operation	yes
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 (operating/non-operating) Vibration (operating) 7.35 m/s2 (0.75 G) (5 to 300 Hz) (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) × 101.85 (W) x 26.1 (H) mm	Limited warranty (years)	3
12 V DC ± 10 %	Power Management	
Consumption (operating) Consumption (active idle) Environmental Temperature (operating) 5 to 60 °C (operating/non-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) 7.450 m/s2 (250 G) (2 ms du	Supplyyeltage	5 V DC +10 %/-7 %
Consumption (active idle) 5.74 W typ. Environmental Temperature (operating) (operating) 5 to 60 °C -40 to 70 °C Vibration (operating) 7.35 m/s2 (0.75 G) (5 to 300 Hz) Vibration (non-operating) 29.4 m/s2 {3.0 G} (5 to 500 Hz) Vibration (non-operating) (5 to 500 Hz) Shock (operating) (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	Supply voltage	12 V DC ±10 %
Environmental 5 to 60 °C (operating/non-operating) Vibration (operating) 7.35 m/s2 (0.75 G) (5 to 300 Hz) Vibration (operating) 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.	Consumption (operating)	9.07 W typ.
Temperature (operating/non-operating) 5 to 60 °C Vibration (operating) 7.35 m/s2 (0.75 G) (5 to 300 Hz) Vibration (non-operating) 29.4 m/s2 (3.0 G) (5 to 500 Hz) Vibration (non-operating) 686 m/s2 (70 G) (2 ms duration) Shock (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	Consumption (active idle)	5.74 W typ.
(operating/non-operating) -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	Environmental	
(operating/non-operating) -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	Temperature	5 to 60 °C
Vibration (operating) 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	(operating/non-operating)	
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	Vibration (operating)	
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	Vibration (non-operating)	
(2 ms duration)	Charl (acception)	
(2 ms duration) (2 ms duration) Acoustics (idle mode) 34 dB typ.	snock (operating)	
Physical Dimensions 147 (L) x 101.85 (W) x 26.1 (H) mm	Shock (non-operating)	
Dimensions 147 (L) x 101.85 (W) x 26.1 (H) mm	Acoustics (idle mode)	34 dB typ.
	Physical	
	Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
	Weight	



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

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
Paris Specifications	
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	·
Limited warranty (years)	yes 3
	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	5 to 60 °C
(operating/non-operating)	-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) × 101.85 (W) × 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

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

2 . 33	UDWGTOFTOTO
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/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)

Physical

Acoustics (idle mode)

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

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