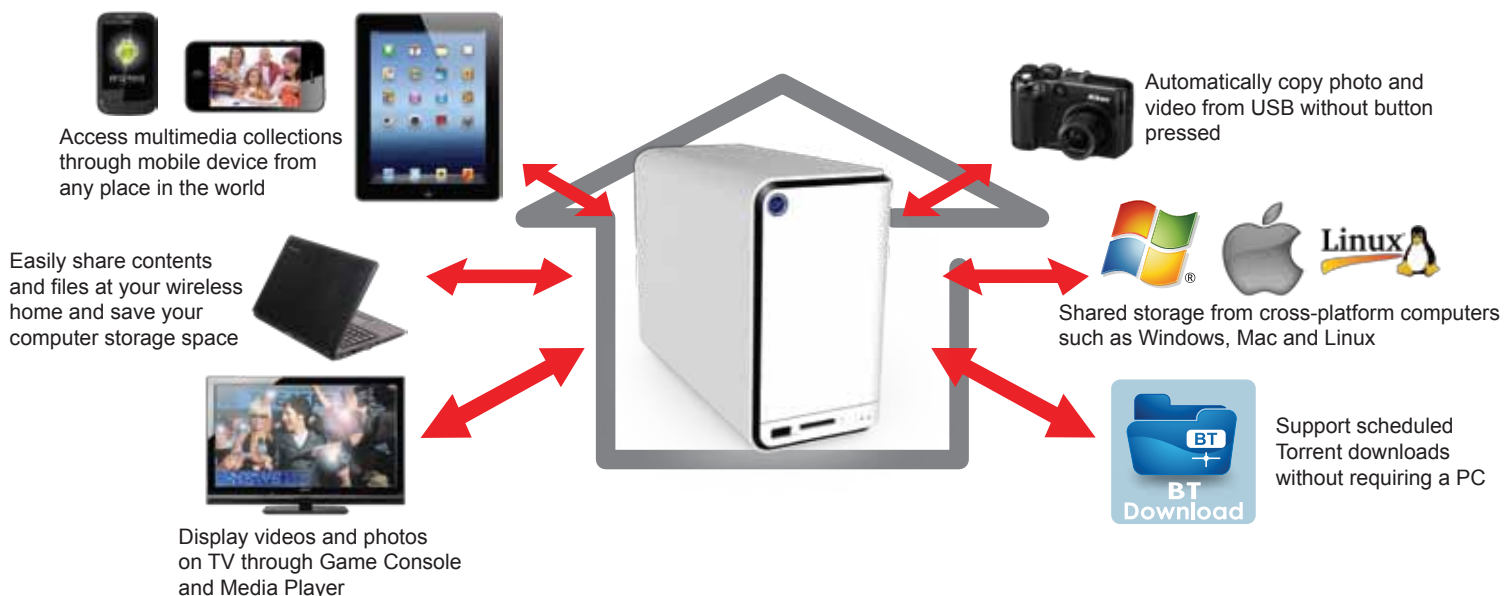# Store and Share the Great Moments in Life with OMNINAS

As digital content have become more prevalent in daily life, users are increasingly interested in sharing this content, both inside and outside of their homes, across computers and other digital devices. Shuttle's brand new product – OMNINAS KD20 is an user-friendly 2-bay network attached-storage, which is designed to become your hub of multimedia content - letting you easily store and share documents, personal movies and music as well as photos. Not only does it support access from personal computers, the OMNINAS KD20 makes sure you have your files always with you - be it on the go on Android or iOS-based devices or basically from any place in the world.

Access multimedia collections through mobile device from any place in the world

Automatically copy photo and video from USB without button pressed

Easily share contents and files at your wireless home and save your computer storage space

Shared storage from cross-platform computers such as Windows, Mac and Linux

Display videos and photos on TV through Game Console and Media Player

Support scheduled Torrent downloads without requiring a PC

Shuttle®

1. Upload and share files from iPhone®, iPad® and Android devices

In the modern world, nothing is as important as reaching your data from anywhere. By using a simple app, you can manage your NAS, upload to, download and stream all of your media and files from iOS and Android device on the go.

Enjoy music or video stored at home from anywhere

Upload important photos and/or document to your Home from anywhere

Easy access from anywhere and no more worry about the forgotten files

2. One-Button Hot-Swap Function

In order to provide an easier way to replace the hard drive without any configuration, OMNINAS KD20 is the only NAS featured an unique "one-button hot-swap" function. Just press the hardware button, wait for few seconds, then the hard drive can be removed with little effort.

3. 2-bay 8TB Storage Capacity Supports   4TB X2

OMNINAS KD20 is a 2-bay designed NAS, to support up to and from two 4TB hard drives for a total capacity of 8TB. It can configure drives to work in a JBOD, RAID 0 or RAID 1 configuration, depending on data transfer and security as required.

4. Multiple Server Features

Print Server
The OMNINAS KD20 works as a print server to allowing you to plug in your printer and share copies over the network.

iTunes Server
Creating an iTunes server based on an OMNINAS KD20 is easy to set up and let you play back media content via the server and directly on to your devices with iTunes clients over a network.

Multimedia Server
If you want to stream, rather than just store and share audio and video from your file server, OMNINAS KD20 can act as your personal media server and allows you play multimedia files through XBOX, PS3, or media players on TV.

5. Superior Performance

Featuring stable quality and excellent performance with read/write transmission at 75MB/s & 55MB/s. OMNINAS KD20 allows multiple users up to a number of 20 to access data at the same time.
*The transmission in accordance with environmental conditions

6. USB 3.0 connectivity

USB 3.0 performs at 5.0Gbps (640 Mbytes/sec) as its top speed which enables OMNINAS KD20 deliver up to ten times the speed of the data transfer of USB 2.0. In addition, the built-in 3-in-1 card reader (SD/MMC/MS) offers "Auto Copy" to make it easier for photos and video to be added to your collection.

7. Ideal Thermal Performance

Using a 2.5mm stylish aluminum housing, which is not just to match the design of your home environment, it is also increases the thermal performance of the device. In a team of smart cooling engine, the fan speed is adjusted automatically to ensure a reliable and quiet usage environment.

Hardware Specifications

CPU	PLX 7821/700Mhz
HDD	2 x 3.5"
Lockable HDD Tray	yes
OS	Embedded Linux
Largest single HDD capacity supported	> 3TB
DRAM	256MB DDR2
NAND	1Gb
USB 2.0	2 (flash drive, external HDD, hub, printer, digital camera, etc.)
USB 3.0	1 (front panel) (flash drive, external HDD, hub, printer, digital camera, etc.)
Card Reader	1 (front panel) SD/MMC/MS Card
10/100/1000 Ethernet	1 (10/100 green, 1000 orange; access/link blinking green)
RAID	0, 1, JBOD
Support single HDD	Yes
Hot Swap	Yes
Hot Swap button (zero configuration)	1 for each HDD
RTC	Yes
Power Adaptor	65W
Power Consumption (Standby/Operational)	11W/16W
Performance (Read/Write) MB/s	75/55*
Max. # of users	50
Max. # of share folders	20
Max. # of concurrent connections	20
LED Indicators	HDD1 - dual color (blue/red, access/error) HDD2 - dual color (access/error), Status/power button - dual color (blue/red, access/error) USB (single blue color,access), card reader (single blue color, access)
Alarm Buzzer	System Warning
Fan	smart fan
Reset Button	back panel
Power Button	front panel
Secure lock	Kensington Lock
Operation Temperature	0 - 40 ℃
Certification	CE, FCC, C-TICK, BSMI
Chassis	Aluminum/Plastic
Size	169.8mm (H) x 90.0mm (W) x 225.0mm (L)
Weight	TBD
Accessories	Power Adaptor (65W), AC Power Cord, Ethernet Cable
*Performance depends on the testing environment	

Software Specifications

OS	Embedded Linux
Supported OS	Microsoft Windows XP and above, Mac OS and Linux
Mobile Device Access	iPhone, iPAD, Android phone, Android tablet
Supported Mobile OS	iOS 4.2 and above, Android 2.3 and above
Mobile Device Application	Apple store App for iPhone & iPAD, Android market App for phone & tablet
Supported Browser	IE 7.0 or later, Firefox 3 or later, Safari 3 or 4 and Google Chrome
Languages	English, Traditional Chinese, Simplified Chinese, German, Japanese
Accessing Right Management	Users Management (Max. users: 50) Folder Management (Max. shared folders: 20) Public/Private folders configuration
LAN Configuration	DHCP/Static IP, Auto IP, Hostname/Group name
Networking Services	Samba Server (File sharing) DHCP client USB Storage devices sharing Printer Server iTune Server Apple File Protocal (AFP) Media Server/DLNA Compliant NTP for time synchronization SSH
Backup	Quick Copy for USB Storage devices (USB Storages to NAS) NAS to USB Storage backup NAS to NAS backup Memory card to NAS
Scheduling	Schedule backup Schedule for NTP time synchronization
Remote Access	Remote Access by Internet Browser Remote Access by Smartphone
Disk Management	HDD Spin-down timer Single disk, RAID 0/1, JBOD Check Disk Disk usage status management Disk Format SMART information report
Download	BT Download without PC (schedule download, tasks download, download configuration, etc.)
System Setup/Tools	Frmware upgrade Time-Zone Settings NAS Discovery tool Factory Reset System log