

# Thecus N5200B PRO N5200BR PRO

ThecusThecus(Thecus Technology Corp.). Microsoft, Windows, Windows(MicrosoftCorporation). Apple, iTunes, Apple OS X(AppleComputers, Inc.).

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가. (Thecus Technology .

Corporation)

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: Thecus N5200PRO : 1.1 : 2008 2

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(Thecus Technology Corporation) Thecus N5200PRO

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Corporation)

(Thecus Technology

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(Thecus Technology Corporation)

## : A N5200PRO . A N5200PRO . . A 🔺 N5200PRO 기 0°C 40°C 가 20% – 85% N5200PRO . 가 . 🔺 N5200PRO (AC 100V ~ 240V, 50/60 Hz, 3A)

. N5200PRO 가

🔺 N5200PRO , .

▲ N5200PRO .

▲ N5200PRO

A N5200PRO

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	2	: RAID	20
	3	:	20
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UPS			
WOL(Wa	ake-Up	o On Lan)	
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RAID	•••		32
RAID			
l	JSB		
ISCSI			
NAS			
	 7L		۵۵ د
	71		
NFS			
		(ACL)	
WAN			
LAN			
DHCP			
WLAN			
WAN LA	N		
AFP (Ap	ple Ne	etwork Setup:) (	)
NFS			
	가		
			50 50
	71		50 50
	21		
ADS/NT			
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F	TP			. 60
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		가		61
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	Nsync	가		74
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	I - DynD	NS		78
	II -	DDNS		78
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	RAID			79
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<b>B</b> :		
C: RAID		85
RAID		
RAID 0		85
RAID 1		
RAID 5		
RAID 6		
RAID 10		
JBOD		
Stripe Size(	)	
D: Active	Directory	
Active Direct	ory ?	
ADS	-	88
E: UPS		
F:	가	
		92
	가	92
CGIC		93
GNU	가	93

1 :

Thecus N5200PRO IP . Thecus N5200PRO RAID - RAID 5 RAID 6 1 . 7 7 7 7 N N5200PRO N5200PRO N5200PRO Windows(SMB/CIFS), UNIX/Linux, Apple OS X - N5200PRO GUI

N5200PRO IP . (Network Attached Storage: NAS) . 가

6 : N5200PRO > WebDisk

#### FTP

FTP **5 : 가 > FTP** .

N5200PRO ,

N5200PRO 6 : N5200PRO >

N5200PRO IPP PC

## RAID

N5200PRO RAID . RAID 0 RAID 5 RAID .

N5200PRO RAID **4** : > > **RAID** 

N5200PRO iSCSI LAN N5200PRO iSCSI 4 : > > > iSCSI

·

4 : > >

•

:

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N5200PRO

- QIG
- CD
- •
- USB 2.0
- •

#### Thecus N5200PRO :



,

,

1.DOM LED	• : ;
2.WAN LED	• :
	• :
3.LAN LED	• :
4.USB Copy LED (USB LED)	• : USB
5.Busy LED( LED)	• : RAID
6.USB Port (USB )	• USB , USB , USB * USB USB 2.0
	: USB http://esupport.thecus.com/support
7.Power Button	• N5200PRO
( )	・ : フト ・ :eSATA フト
8.Reset Button	• N5200PRO
( )	• 5 IP 가
9.HDD Trays	• 3.5" SATA HDD
(HDD )	• 가 가
10.LCD Display	
(LCD )	• , WAN/LAN IP , RAID ,
()	• LCD
12.Down Button	• LCD
ہے 13.Enter Button ( ہے )	• LCD 7
14.Escape Button (가 <b>ESC)</b>	• LCD 7

N5200PRO	1 1	LED	가
Lock —	Contraction of the second seco	HDD — Power _ Access/ Error	
Lock ( )	•		
	• Solid Bule ( ): 7		
HDD Access/Error LED (HDD / LED)	• Blinking green():		

# (N5200B PRO)

Thecus N5200B PRO

가



N5200B PRO				
1.eSATA Port (eSATA )	•	eSATA		
2. USB Port (USB )	• USB , USB		USB	USB 2.0
3. USB Port(target) (USB ( ))	• N5200PRO PC			
4. LAN Port (LAN )	•	LAN		
5. WAN Port (WAN )	•			WAN
6. Power Switch ( )	•			
7. Power	•			

Connector ( )				
8. System Fan (       )	•			
9. Serial Port ( )	•	UPS		

# (N5200BR PRO)

Thecus N5200BR PRO





N5200BR PRO	
1. eSATA Port (eSATA )	• eSATA
2. USB Port (USB )	• USB , USB USB USB 2.0
3. USB Port(target) (USB ( ))	• N5200PRO PC .
4. 4-port Gigabit Switch (4- 가	• 4
5. WAN Port (WAN )	• WAN
6. Power Switch ( )	•
170B7. Power Connector ( )	•
8. System Fan ( )	•
9. Serial Port ()	• UPS .

## 2 :

#### N5200PRO N5200PRO

· ·

.

.

- 1. Safety Warnings ( )
- 2. 7 N5200PRO
- 3. N5200PRO

N5200PRO 가 3.5" ATA(SATA) . N5200PRO :

- 1. N5200PRO .
- 2. SATA .
- 3. N5200PRO
- 4. 가 LED 가 .

HDD 가	RAID 1	RAID 5	
	÷	가	

## N5200PRO

- 1. N5200PRO WAN .

- 2. .
- - 3. N5200PRO







#### N5200PRO

가 가

:

- 1. WAN LED LAN LED가 ( フト).
- 2. LED 가
- 3. HDD HDD LED가 ( 가 가 ).
- 4. WAN IP 7 192.168.1.100 .





N5200PRO	가	

3 :

가 N5200PRO 가 N5200PRO **Thecus Setup** Wizard(Thecus ) LCD Display (LCD )

## Thecus

- Thecus Setup Wizard(N5200PRO.N5200PRO.N5200PRO
- 1. CD CD-ROM .( PC .)
- 2. 7 · CD-ROM Setup.exe . CD-ROM

Thecus'	
IP Storage Appliance	
Setup Wizard	

		MAC OS X	Thecus Setup Wizard 1.1.6.dmg	
3.	가		Thecus	

Q	
0	•



.

- 4. N5200PRO
- 5. . "admin" .

80	Thecus Setup Wizard	
There	IP Storage #	Appliance
Device Discovery	Login System	Yener, L.I
Login System Network Configuration Enable Service	Admin ID: admin Password: •••••	3
Change Password Complete	Birk Next	Exit

6. N5200PRO 가 DHCP

N5200PRO IP DNS

IP

가

Device Discovery	Network Configuration	Yini
Julia Login System	Host Name: 1u4000 IP Type	
A Network Configuration	FixedIP OHCP P Setting	
a Change Password	P address: 192.168.1.100 Netmask: 255.255.255.0	
₽ Complete	Gateway IP: 192.168.1.1 DNS Server	

.

.

7.

Thegan	IP Storage Ap	pliance
Device Discovery	Change Password	Venier 1.1.6
Login System Network Configuration Password Complete Complete	New Password:	
	Back End	Exit

.

8. 가 ) . Setup Other ! Start Browser( N5200PRO Device() . Exit() N5200PRO .

		Contraction of the local division of the loc		
Device Discovery	Complete	Yense 114		
Login System Network Configuration Onange Password	Sering Other Device			
# Complete		Exit		
		1.1		
	Thecus Setup Wizard(Th OSX	ecus	) Windows XP/2000	Mac

# LCD

N5200PRO	LCD	
LCD		

# LCD

Up( ) ( ), Down ( ) ( ), Enter ( ) (↓), Escape ( 7 ) (ESC) N5200PRO

			:	
LCD				
				•
.1				
ESC	가			
LCD		가 ,	Display Mode(	) Management
Mode(		) .		-

.

## LCD Display Mode( )

Host Name			
( )			
WAN	WAN IP		
LAN	LAN IP		
245BLink Aggregation		(N5200B PRO	)
( )			
Disk Info			
( )			
RAID	RAID		
System Fan( )			
CPU Fan (CPU )	CPU		
2006/06/16 12:00			

N5200PRO LCD

•

.

## USB

- USB USB USB USB N5200PRO . USB :
  - 1. 가 USB USB
  - 2. Display Mode( ) Down Button ( ) ( )
  - 3. LCD "USB Copy?"(USB ?)가 .
  - 4. Enter ( ) (니) N5200PRO 가 USB USB
  - 5. 가 "USBcopy"
    - LCD Management Mode( )
    - 가 Enter()(니) "Enter Password"() 가 LCD
- LCD ··· LCD 가 . LCD ··· 0000" · 가 Management Mode( ) 가 .

WAN Setting(WAN )	WAN IP	
LAN Setting(LAN )	LAN IP	
Link Agg. Setting	Load Balance( )	Failover()
( )	. (N5200B PRO	)
Change Admin Passwd	LCD	
( )		
Reset to Default		
( )		
Exit()	Management Mode (	) Display
	Mode()	

System(	) > Administrator Password(	)
	LCD	
	4 :	

#### N5200PRO

- N5200PRO
  - 4 : >

## 1 :

N5200PRO Network() 4 : >

## 2 : RAID

RAIDRAID.Storage() > RAIDRAID

RAID 4 : > RAID . RAID ? RAID

C: RAID

## 3:

RAID7 N5200PRO Active Directory(AD) .

4 : >

.

.

:

Active Directory 4 : > > ADS/NT

Active Directory D: Active Directory

## 4 : ACL

가 N5200PRO (Folder Access Control Lists) .

4 : > 4 : >

5: N5200PRO 가

#### SMB/CIFS

.

(AFP)

(NFS)

(FTP)

N5200PRO Web Administration Interface ( ) N5200PRO



N5200PRO

#### N5200PRO

.

:

Status()		N5200PRO
Storage(	)	N5200PRO
201D		

Network(		)	N5200PRO	
Accounts(	)			
System(	)		N5200PRO	
Language(	)			

가

.

N5200PRO



23



Product No.( )	
Firmware Version	
( )	
Up Time( )	





CPU Loading (CPU ) (%)	N5200PRO	CPU		
CPU Fan Speed	CPU			
(CPU )				
System Fan Speed				
( )				
Up Time( )				
375B				

AFP Status(AFP )	(AFP)
NFS Status(NFS )	
SMB/CIFS Status (SMB/CIFS )	SMB/CIFS
FTP Status(FTP )	FTP
Media Server (      )	
Nsync Status (Nsync)	Nsync
UPnP Status (UPnP )	UPnP





System Description	

Status() Printer()	,	◆ Status ▼ ◆ Storage ▼ 47 Network ▼ # Accou	G SERVEY nts• % System• 1 Language
Printer Information(			
USB	030	Printer Information	
		Monufacture	N/A
		Model	N/A
		Status	No Printer Delected
		Remove document from queue	Remove
		Restart printer service	Restart
			Protectyour Source Secure Your Data

Manufacturer()	USB .
Model()	USB .
407BStatus()	USB .
Remove document	가 .
from Queue	
)	
Restart Printer	가 .
service(	
)	

.





## UPS

N5200PRO	가
가	

Status()	UPS
UPS Setting(UPS	)

•

.

Apply( )



•

UPS	
UPS Monitoring(UPS )	UPS .
Manufacturer ()	UPS .
Battery Status( )	UPS
Power()	UPS
Seconds between power failure and first notification( )	
Seconds between subsequent power failure notifications(	
Shutdown the system when the battery charge is less than(	UPS
Apply( )	Apply()

## WOL(Wake-Up On Lan)

.

N5200PRO WAN

.

Status() WOL Wake-up On Lan Configuration(WOL ) Enable() Disable()



WOL						
WOL Service (WOL )	WOL	Е	nable (	)	Disable (	)
Apply( )	Apply(	)				

N5200PRO N5200PRO가	Thecur → Status → O Store	UPS Iga≠¢Hate	ide Iork <del>v</del>	Acco	119 S. unts• ¥ 5	NAE ystem <del>*</del>	⊖ <i>j</i> Lj Language
Status() Power Mgmt()		Schedule Pow Enable Sched Adlen	er On ule Pav Time	(Off er On/Off t (d) =	Action	Time	10
Schedule Power On/Off(	110	ut		1 00 =		1 10.00	<u>an -</u>
/ )	10	* d		t 00 -		00 m E	00
	Th	u		± 00 -		00 + :	d0 =
	Pe.			t:00 =		1 10 00	GD =
	\$4	4		t (00 -		00)91	00 -
N5200PRO				Appl	y L		
Enable Schedule	1	_	-			_	
Power On/Off( / )							Protectyarsource
							server the new som

# Apply( )

-	:	: 8:00;	: 16:00		
		8:00		16:00	

- : : 8:00 8:00

.

.

Storage Menu(	) N5200PRO
, RAID	1

) DISKS(	)	There	18.5	Sterr	ug si s	sore	nex
Disks Information(		🛩 thates =	0 maps - d' m			t Aprilian -	- D Langeing
			Conta 1	312203203	avride a	1011212	
·		10	- Public				
			August -				
δτα	가	13	1000				
SATA	~1		Dista Inform				
			PROFESSION OF			frankely.	10000
			1. A.	18.378	1110011-000	1.69	54.
				18,218	8738181 Mil	1.89	94.
			A	18,214	all series and	1.00	48.
				78,018	8108081345	1.68	58.
				18,018	210404-348	1.68	44.
			InterContrily	145.585			
			Black Property Manag	******	. atom	tades	
	Disks Information(	Disks Information( SATA 가	Disks Information( SATA 가	Disks Information( SATA 7	Disks Information( SATA 7)	Disks Information( SATA 7) The first interval of the second of the secon	Disks Information( SATA 7)

SATA			•	
SATA			•	
SATA				
		. OK(	), Warning(	)
Failed(	<b>)</b> 가	가		
SATA				
	SATA SATA SATA Failed( SATA	SATA SATA SATA Failed( ) 가 SATA	SATA SATA SATA <b>OK(</b> Failed( ) 가 가 가 SATA	SATA SATA SATA <b>OK( ), Warning(</b> Failed( ) 가 가 가 SATA

Status(	)	Warning(	)가	가

S.M.A.R.T. Disks Information() 7 Status() OK() Warning() S.M.A.R.T Information(S.M.A.R.T)



Batrash

Protect

S.M.A.R.T.							
Tray Number		가					
( )							
Model()				•			
Power ON Hours							
( )			(			)	
Temperature Celsius							
( )							
Reallocated Sector					/ /	가	
Count							
	(	)					
						"	
			-	71		,	
			(100/	۲۲ ۲		/	
Current Dending	1		(10%)	)	<u> </u>	•	
Sector			C		).		71
							ン [ フレ
							<b>∠</b> Γ
	(	)					
	(	o ´					•
		U U					
Raw Read Error Rate		·					
())						,	
					/		가
Seek Error Rate						가	,
( )	가			가		,	
	가			가			
			가				
Back()	Back(	)	Disks	Inform	ation(	)	

가 0 "Warning"( ) 가

## RAID

# Storage() RAID RAID List(RAID)

	N5200	F	RAID
iSCSI		RAID , USB	,
	RAID	가	



# RAID**RAID Config**(RAID)**RAID**Configuration(RAID)..

RAID	
Select()	RAID .
Master RAID( RAID)	RAID RAID
ID	RAID ID
	: RAID ID .
RAID	RAID .
Status()	RAID . Healthy( ), Degraded( )
	Damaged( ) 가
Disks Used( )	RAID .
Total Capacity( )	RAID .
Data Capacity( )	
USB Capacity(USB )	USB .
iSCSI Capacity(iSCSI	iSCSI .
)	
RAID Config(RAID )	RAID .
Space Allocation	, USB , iSCSI

## RAID



RAID Configur	-		_	-	
If you loose a free	Carton Carto Deserve	Every LEO AND			
RAD Level	,800	RHOS RHOS	RHD 1 RHD	9. R44	18.
840.00.	AAC 11	un pin mit filt 20 Marte	r RAID - Take after	et after ch	ained b
Bet No.	Capeting (1981)	Date	Theres	-	Tarr
		16.1	14.0		
1		16.0	Mrs.		
3	152.847	ADTERRALS STREAM	28.		
4	PELAST.	INDITIONAAJD INIPSI	25.		
8	78.218	102818-22-216,5+5	28.		
Serge Sept.	100.000 100				
und Pariamage	Data Percentage	n_]4	-Made Pleaks interestion pay proceed R-CE 5	pe kais to k je ito pinnaj jokre j	1 T.S.
A #1	P <sup>T</sup> Y	Remove RAID		Back	
2.0	and		1044	grate MA	D

### RAID

### JBOD, RAID 0, RAID 1, RAID 5, RAID 6 RAID 10 . RAID

:

RAID

RAID						
JBOD			RAID 가		HDD	•
	JBOD		1			
RAID 0						
						. RAID
	0	2				
RAID 1						
				. RAID 1	2	
		•				
RAID 5					가	
	RAID 5		3		RAID 5	

RAID 6				フト	
		. RAID 6	4		. RAID
	6				
RAID 10	RAID 10				. RAID 10
	RAID 1				
			RAID 1		RAID 0
		. RAID 10	4		. RAID 10

가 RAID 가 가 .

#### RAID

## RAID Settings(RAID )

가 RAID 가

.

RAID			
RAID	가		
Master RAID		RAID	
( RAID)			
Disk No.( )			
Capacity() (MB)			
Model()			
Status()			
Member()		가 RAID	가
	•		
Spare()		가 RAID	
	·		
Stripe Size			
( )			
		64K	
Used Percentage()	RAID	•	
Apply( )		RAID	
			10001
Remove()	RAID	•	, ISCSI,
	USB 가	•	
Back()			•
Expand()		RAID	
Migration( )	RAID		

#### RAID

RAID :

- 1. RAID List(RAID ) New( )
- 2. RAID Configuration(RAID ) RAID JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10 – C: RAID
- 3. RAID ID

## 4. RAID RAID Master RAID( RAID)

RAID	RA	AID	RAID	
	RAID			
RAID 가		( HDD 1		HDD 2
RAID		),		
RAID				
F F	RAID			J

" "

#### 5. RAID

- 6. 64K .
- 7. USB, iSCSI

#### 8. *Apply()* RAID

.

.

RAID		RAID
RAID	RAID	가 .

RAID 1, RAID 5, RAID 6 RAID 10 RAID가 가 **7: > 가** 

#### RAID

RAID 1, RAID 5, RAID 6 RAID 10 .

- 1. RAID 가
- 2. RAID
- 4. RAID List(RAID ) RAID RAID Config(RAID ) RAID Configuration(RAID )
- 5. RAID Configuration(RAID ) Expand( )

#### RAID

RAID RAID

RAID 0, RAID 1 RAID 5 :

> 1. RAID Configuration(RAID ) Migrate RAID(RAID ) .

.

가 2. RAID

OK( ) .

3. RAID



	RAID		
가 R	AID	:	

.

#### 가 RAID

→ ↓	RAID 0	RAID 5
RAID O	[RAID 0] HDDx2 -> [RAID 0] HDDx3 [RAID 0] HDDx2 -> [RAID 0] HDDx4 [RAID 0] HDDx2 -> [RAID 0] HDDx5 [RAID 0] HDDx3 -> [RAID 0] HDDx4 [RAID 0] HDDx3 -> [RAID 0] HDDx5 [RAID 0] HDDx4 -> [RAID 0] HDDx5	[RAID 0] HDDx2 -> [RAID 5] HDDx3 [RAID 0] HDDx2 -> [RAID 5] HDDx4 [RAID 0] HDDx2 -> [RAID 5] HDDx5 [RAID 0] HDDx3 -> [RAID 5] HDDx4 [RAID 0] HDDx3 -> [RAID 5] HDDx5 [RAID 0] HDDx4 -> [RAID 5] HDDx5
RAID 1	[RAID 1] HDDx2 -> [RAID 0] HDDx2 [RAID 1] HDDx2 -> [RAID 0] HDDx3 [RAID 1] HDDx2 -> [RAID 0] HDDx4 [RAID 1] HDDx2 -> [RAID 0] HDDx5	[RAID 1] HDDx2 -> [RAID 5] HDDx3 [RAID 1] HDDx2 -> [RAID 5] HDDx4 [RAID 1] HDDx2 -> [RAID 5] HDDx5
RAID 5	x	[RAID 5] HDDx3 -> [RAID 5] HDDx4 [RAID 5] HDDx3 -> [RAID 5] HDDx5 [RAID 5] HDDx4 -> [RAID 5] HDDx5

#### RAID

RAID :

- 1. RAID List(RAID ) RAID Config(RAID )
- 2. RAID Configuration(RAID ) Remove RAID(RAID
- )

RAID Configuration(RAID

RAID

)

3. R

RAID" (RAID	"Yes"() <b>)</b>			"Remove
	RAID	RAID	가	

USB iSCSI

.

Storage()RAIDRAID List(RAID)RAIDSpace Allocation()>Volume Allocation List()>

RAID	Target USB(	USB)	iSCSI
. N5200PRO	RAID	5	iSCSI

Modify( )	
Del()	
Type()	. USB iSCSI .
Name()	
663BCapacity()	
Target USB( USB)	USB .
iSCSI Target(iSCSI	iSCSI .
)	

#### USB

RAID USB :

1. Volume Allocation List( ) Target USB( USB)

.

Create Target USB Volume( USB )



USB					
RAID ID		RAID	ID		
Unused(	)	RAID			
Allocation(	)	USB			
OK( )		ОК( )			
681BBack(	)	Back( )			•

2. Allocation()

USB

3. *OK( )* USB

iSCSI

RAID iSCSI

Cristian in California	· · · · · · · · · · · · · · · · · · ·
FAR IS.	hept
Desired	9 6 (2.04)
After of the	1123 4 177 1 18
TREAD Forgon Service	# Evalue C Double
Autoests alone	# mana IT count
Larget Name	Seat Notana
1944	1200 3
Marrie	(F)
-	Server (R R LA - D)
Parsant	Lord (0.4, p. 2, 4.2), sugar balances (2-10)
Fanimit Codim	
100	lags 2007-bit cash theory's Reitht protect agt feat
Belliarie Sellermetres	
	21
-	
	the second se

#### Create iSCSI Volume(iSCSI

iSCSI		
RAID ID	RAID	ID
Unused()	RAID	
Allocation()	USB	
iSCSI Target Service (iSCSI )	iSCSI	
Authentication()	CHAP	None()
Target Name()	iSCSI )	Stackable NAS(NAS
Year()		
Month()		
Username()		
Password()		
Password Confirm( )		
IQN	iSCSI	(iSCSI Qualified Name)
Initiator Information ( )		iSCSI
OK( )	ОК( )	
Back()	Back()	

)

2. Allocation()

.

3. iSCSI Target Service(iSCSI ) Enable( )

.

.

:
- 4. CHAP None( )
- 5. Target Name ( ) Stackable NAS (NAS )

.

.

- 6. Year ( )
- 7. Month ()
- 8. CHAPusername ( ) password( ).Password Confirm ( )
- 9. *OK( )* iSCSI

#### NAS

N5200PRO 5 SMB AFP

Stackable User Guide (

Storage(	)	Folder(	)
Folder( N5200	) DPRO		



Folder Name()		
NFS	NFS Share(NFS )	가 NFS
ACL	ACL( )	가
Edit()	<i>Edit( )</i> Edit( )	가
Del()	Del( )	
Add( 가)	Add( 가) Add Folder(	<b>7ŀ)</b>

RAID 가 Nsync 가 . Nsync Nsync Nsync .

가

Folder( )	Add( フ <del>/</del> )
Add Folder(	フト)
	가
	Apply( )
가	. Back( )
Folder()	

	-		
Real Property lies	- AAC -		
Patrice Ba		-	
Benny	-		
Brents	14 Tes # 11 C		
	144 Tan C No. 8		
State Francis			
	pate	Raca	

가			
RAID ID	가	RAID	
Folder Name()		•	
Browseable			
( )	Yes()		
Public()			. Yes( )
			가 가
	. FTP		FTP
		( )	/
Share Folder Limit		가 (GB)	
( )		. 0	
Apply( )	Apply( )	가	•
Back()	Back( )	Folder( )	

	60	. Windows 98	가	$\square$
15			÷	

Folder()Edit()Edit Folder()Submit()Back()Folder()

Share Name()	( ) .
Comment( )	
783BBrowseable	
( )	SMB/CIFS
Public()	
Share Limit()	
	. 0 .
Submit( )	Submit( )
Back()	Back() Folder()

. <b>OK(</b>	<b>Del( )</b> ) 가	, Cancel(	)
	가	가 .	

### NFS

	NFS <b>Add( 7</b>	Ð	가	N	FS Service	(NFS	)
					• Balar • O Barage • 47 B	Scoregy dante <b>B</b> Accept	a Sianvair • 1 linu∙ 8 laquir
Config	NFS share [ nsy	(ne ]			New AFE share ( a Reduces		- en fold (page 4 an
Hostname	Privilege Root A	ccess Edit	Remove	$\Box$	Princippe Dassert Systems Supports	() Read Doni () Vintable () Vince I Linas Bysteen	
	Add				in they we	<ul> <li>Control acceleration of a setage property and acceleration of a processing acceleration (Control acceleration)</li> <li>Control acceleration acceleration of acceleration</li> </ul>	IT * Field ( count with family account to this count with the mapped to field, mapping to field, chair with the mapped for anomything of the field
					- CARDIN	e	Bark

NFS	
Hostname()	IP .
Privilege()	가
805BGuest System	가 :
Support	Unix / Linux
( )	• AIX ( > 1024 )
	가 .
IO Mapping(IO )	가 :
	•
	( : ).
	• NAS
	(nobody:nogroup) .
	• NAS
	(nobody:nogroup)
	ア
Apply( )	
Back()	

		(ACL)			
Folder(	)	ACL			
Access (	Contro	l List(	)		

		Deny(), Re	ead
Only(	)	Writable(	ア)

Submit( )

term .		Petroven	-
Lond Windo	- Proj	And they	304H
and design	( terra (	( becan )	( Below
a. line ine a			-
(			
-			

Deny()					
Read Only()					
Writable( 가)			가		
Remove()					
Sync AD Account(AD	ADS/PDC			ADS	가
)	가			•	
Submit()					
Reset()		Folder( )			









0.	Submit			•	
		가 >	> 7ł		
ACL					:

а	Local Users 💌
	Local Groups Local Users
aaaa abcd	AD Groups AD Users





Start( ) 가 . Back( ) . Reboot( ) 가 가 가 20 가 가

.



N5200PRO 7ł .

Network()

.

#### WAN

Netw	ork(	)	WAN	
WAN	Configurat	ion(WAN	)	
	WAN			가
		가		
	. Apply(	)		

.

WAN	
Host Name()	N5200PRO .
Domain Name()	N5200PRO .
MAC Address(MAC )	MAC .
Jumbo Frame Support	N5200PRO WAN Jumbo Frame
( )	Support()
DHCP	DHCP N5200PRO IP 가
	. IP7ł
	· .
IP	WAN IP .
Netmask()	:
	255.255.255.0
Gateway()	IP .
875BDNS Server(DNS )	(Domain Name Service: DNS) IP
IP Sharing Mode(IP )	LAN PC WAN
	. Enable( ) .
Link Aggregation(	WAN LAN
) <b>(N5200B</b>	
PRO )	Failover(): 가 가 가 가
	Load Balance( ):
	802.3ad:

가 • DHCP	UPnP 가		-
• WAN	IP		
• DNS • "802.3ad	SMTP NTP		
		802.3ad	

	(1 N5200P Reset( 7}	(10/100) / N5200PRO N5200PRO . N5200PRO Reset() 10 . 가 Jumbo Frame Support() )가		
LAN N5200PRO	가		nage (b) Store •nas•6 haap+⊄ haant•8	ige Server
LAN Configuration (LAN Apply()	Network ( LAN )	)	LAN 2 Sonigaritis Bit Adams Junio I and Tagan I Bit Character I Bit Character I Bit I Bit A Bit I Bit A Bit I Bit A	n ne ro no ro ne ro no ne ro no ro no ne ro no ne ro no ne ro no ne ro come

LAN			
MAC Address(MAC )	LAN	MAC	
IP	LAN	IP	
Netmask()	LAN		
Jumbo Frame Support	LAN		
( )			



# DHCP

 DHCP
 IP
 LAN
 . LAN

 Network(
 )
 LAN
 .

DHCP		
903B		
DHCP	DHCP 가 LAN	IP
Start IP( IP)	DHCP IP	
End IP( IP)	DHCP IP	
DNS Server(DNS )	DNS IP	

WAN	LAN IP			
				)
LAN	IP	IP	IP	

#### WLAN

USB N5200PRO N5200PRO Network() (AP) WLAN Network() WLAN WLAN Configuration(WLAN ) . 가 . 가 . Apply( ) USB USB : 3Com 3CRUSB10075, Zyxel G220USB, PCI GW-US54mini. • USB N5200PRO



.

WLAN		
MAC Address		USB MAC .
(MAC )		
918BIP		IP .
Netmask()		: 255.255.255.0
ESSID		ID(Extended Service Set Identification:
		ESSID) .
ESSID Broadcast		ESSID7 N5200PRO
(ESSID	)	. (AP)가 ESSID
		. N5200PRO ESSID
Channel()		N5200PRO가 .
Auth Mode(	)	N5200PRO 가 .
		Shared():
		Open( ):
WEP Enable(WEP	)	
Key Length(	)	N5200PRO .
		64 : 0 ~ 9 A ~ F 10 .
		128 : 0 ~ 9 A ~ F 26 .
WEP KEY 1(WEP	4)	4 WEP .
WEP KEY 2(WEP	4)	
WEP KEY 3(WEP	4)	
WEP KEY 4(WEP	4)	

DHCP IP LAN

WLAN DHCP				
DHCP	DHCP			
Start IP( IP)	DHCP		IP	
End IP( IP)	DHCP		IP	
DNS Server(DNS )	DNS	IP		

WLAN, WAN, LAN IP	
N5200PRO RF . RF Thecus RF	RF
11 14 13 (ETSI) 2 4	,

#### WAN LAN

N5200PRO WAN LAN 가 . WAN LAN

Network() WAN LAN Exchange(WAN LAN) WAN LAN Exchange Support(WAN LAN ) Enable() Disable() Apply()

Cancel()



Network( ) *Service(* ) Web Service( ) 가 가

가 가 가 **Apply( )** 





HTTP (WebDisk) Support	WebDisk .	
(HTTP (WebDisk) )		
HTTPs (Secure WebDisk)	WebDisk .	
Support		
(HTTPs ( WebDisk) )		
SMB/CIFS	Windows, Apple, Unix SMB/CIFS	
UPnP	(Universal Plug and Play)	
	. UPnP N5200PRO I	IP

:

#### AFP (Apple Network Setup:) ( ) Network( AFP ) IP Storage Server Thecus AFP Configuration(AFP ) (Apple Filing Protocol) AFP Support 가 AFP Server O Enable @ Disable . Apply( ) MAC CHARSET UTF-8 ZONE . : Apply Reset

AFP Server(AFP	)	MAC OS	N5200	OPRO	
		(Apple	File Service)		
Zone()		(A)	oplet Talk)		
		AppleTalk	가		
			,	N5200PRO	
					(*)

Protection Same

#### NFS



NFS	
NFS	NFS Enable () Disable ()
Apply( )	Apply()
Cancel()	Cancel( )

N5200PRO 가 가 기

Accounts() Users() Local User Configuration()

Add( 가), Modify( ), Delete( )

Accounts()



Add( 가)	Add( 가)	가 .
Modify( )	Modify( )	
Delete()	Delete( )	

#### 가

1. Local User Configuration( IP Storage Server ---Add( 가) · . . . ) Local User Setting( ) 2. Local User Setting( ) User Name( ) 3. User ID( ID) Apply Back 4. Password( ) Confirm() Protect . Group Members( 5. 가 ) 가 . Group List( ) 가 >> . << 가 6. **Apply(** 가 )

- 1. Local User Configuration ()
- 1. Local User Configuration ( )
- 2. **Delete( )** 가

Accounts() Groups() Local Groups Configuration()

Add( 가), Modify( ), Delete( )



Add( 가)	Add( 가)	가	
Modify( )	Modify( )		
Delete()	Delete( )		

#### 가

1.	Local Group Configuration(		)	Add( 가)
2.	Local Group Setting(	)		
3.	Group Name( )			
4.	Group ID( ID)			



#### ADS/NT

Windows Active Directory Server(ADS) Windows NT

ADS/NT

.

N5200PRO가 ADS/NT

.

가 Accounts() Authentication() ADS/NT Support(ADS/NT) . 기 . 기 . Apply()



ADS/NT Support(ADS/NT	)
WINS Server(WINS )	WINS .
Work Group / Domain Name	SMB/CIFS / ADS ( : N5200PRO)
ADS/NT Support(ADS/NT	Windows Active Directory Server
)	Windows NT .
Authentication Method	Windows Active Directory Server ADS
( )	Windows NT NT .
ADS/NT Server Name	ADS/NT ( : adservername).
(ADS/NT )	
ADS/NT Realm(ADS/NT )	ADS/NT ( : example.com).
Administrator ID( ID)	Windows Active Directory Windows NT ID
	. N5200PRO7
Administrator Password	ADS/NT .
( )	
Confirm Password( )	

:

AD

#### N5200PRO

		?
General Network Iden	ification Hardware User Profil	es Advanced
Windows us on the netwo	es the following information to ide ork.	ntify your computer
Full computer name:	computer1.domain.local	
ADS Server Name Domain:	domain.local	
405 P	ealm Work Group	/Domain Name
To rename this comput Properties.	er or join a domain, click	Properties
Note: The identification - The computer is a do	n of the computer cannot be char main controller.	iged because:
Note: The identification - The computer is a do	n of the computer cannot be char main controller.	iged because:
Note: The identification - The computer is a do	n of the computer cannot be char main controller.	iged because;
Note: The identification - The computer is a do	n of the computer cannot be char main controller.	iged because;
Note: The identification - The computer is a do	n of the computer cannot be char main controller.	iged because:
Note: The identification - The computer is a do	n of the computer cannot be char main controller.	iged because;

AD	
Work Group / Domain	
Name	
( / )	
ADS Support(ADS )	Enable ( )
ADS Server Name	Computer1
(ADS )	
ADS/NT Realm	Domain.local
(ADS/NT )	
Administrator ID	Administrator ( )
( ID)	
Administrator Password	*****
( )	
Confirm Password	*****
()	

• •	/AN		DNS	ADS		
• N • N • A A	5200PRO 5200PRO dministrator DS(Active D	ADS ADS Password( Virectory Serv	er)	5 )	N5200PRO 7}	

### **System( )** N5200PRO

.

.

.

System() Notification( Notification Configuration() N5200PRO7

Apply( )



Beep Notification(	가			
)		•		
Email Notification				
		(15		
SMIP Server(SMIP	SMIP	/IP	•	
Port()				
Auth Type()	SMTP			
SMTP Account ID	SMTP	ID		
(SMTP ID)				
Account Password(				
)				
Confirm Account				
Password				
( )				
Receiver's E-mail				
Address	가 .			
(				
)				
Test E-Mail(				
)				

54

## System() Logs() System Logs()

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	Plant of a C. Thereas we have for
nonesis pratie state therein	an fagini an San 170 (1 80 11)
manual contraction indep	The summa ACOM a restricted from the data position
INNER DADATION BURGE	The option II'LDF a second draw for fait publics
manage contract that the	WORker too allers
oleana increasion taking	A COVE ing Series which
NUMBER OF COMPANY AND A DESCRIPTION OF COMPANY AND A DESCRIPTION OF COMPANY AND A DESCRIPTION OF COMPANY AND A	
BRIDE DO COLOR DALLS	ACCEPT that from within a
participation of the last of	(P1)(R) an inner addreid

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Truncate All Log File	
( )	
<< < > >>	가 (> >> ) 가 ( << <)
	•
INFO()	•
WARN()	· · · ·
ERROR()	
GO(가 )	Go(가 ) .
Ascending()	
Descending()	
Download All Log File	
(	
)	

 System()
 Time()

 Time()
 Time()

 Date(), Time(), Time
 N5200PRO

(Network Time Protocol) 가 Apply( )

.



Date()					
Time()					
Time Zone( )					
NTP Server(NTP )	Yes( )	N5200PR07	'ŀ	NTP	
	Manually(	)	N5200PR0가	가	NTP
	No( )	N5200PRO7¦ NTP			

NTP 가 N5200PRO 가 NTP . System() Config Mgmt() System Configuration Download/Upload( /)

.

.



		1	
Download(		)	
Upload(	)		가 .

ſ			
가			
	1		

System()ModuleMgmt()ModuleManagement().N5200PRO



Name()	
Version()	
Description()	
Enable()	
Status( )	
Uninstall( )	
Enable/Disable	
( / )	
Check Update(	

)		
Module File(	)	
Browse()		PC .
Install()		N5200PRO .
	Y	

	+



System() Administrator Password() Change Administrator Password( ) New Password() Confirm Password() Apply()

.



New Password( )	
Confirm Password	
( )	
Apply( )	

System()Reboot &Shutdown())Shutdown/Reboot System(/).Reboot().Shutdown()



System( ) > Logout( )

# 5 : 가

N5200PRO FTP FTP . 가 가 USB .

## FTP

N5200PRO FTP FTP

Network( FTP	)	FTP	
가 <b>Apply( )</b>			



FTP	
FTP	N5200PRO FTP .
FTP ENCODE	FTP 가
(FTP )	( : Windows® 95/98/ME MAC OS9/8), OS
	. 가 BIG5, HZ, GB2312, GB18030, ISO,
	EUC-JP, SHIFT-JIS, UTF-8 .

5200PRO	Users()	
	(Accounts() > Users())	
ACL	(Storage() > Folder()	>
ACL	(Accounts() > Users()). (Storage() > Folder()	>

**ACL**).

#### N5200PRO

UPnP AV

(Digital Living Network Alliance: DLNA)

# 가

N5200PRO

ı ı

	Network(	)
Media Server( Media Manager Settings	)	)





Media Server()				
Shared Media Folders				
( )				
Rescan()	Rescan(	)		
	N5200PRO가			

# 가

가 가 가 : )

1. Network( ) > Media Server( .

- 2. Shared Media Folders(
- 3. .

## DMA

(Digital Media Adapter: DMA)

)

1. DMA

:

a. DMA IP . IP

- b. DMA . DMA . DMA DMA .
- ΤV 2. DMA
- 3. TV DMA .
- 4. DMA .( DMA
  - a. Server List( ) "N5200PRO:Mediabolic Server" (N5200PRO: Mediabolic ) .

.

.)

- b. My Media( ) Music Jukebox( c. UP ( ) / Down ( ) ), Photo Albums() Video Clips( )

.

d. N5200PRO

N5200PRO	19 Storage Server
· PC가	🗢 Status + 🥥 Storage + 🗢 Helweck + 🖬 Accounts + 🤺 System + 🗓 Language
Windows XP SP2 Windows XP SP2	Printer information       Maximfacture       No.A       No.B       Status       No.Printer Detected       Printer Opene       Remove All Documents
1. USB USB 가 ( USB ; USB HDD	).
2. Start ( ) > Printers and Faxes (	) .
3. File ( ) > add Printer ( 7)	) .
4. <b>가</b> 가 . <b>^</b>	lext ( )
5. "A network printer, or a printer atta computer" ("	ached to another )
<pre>6. "Connect to a printer on the Interna (" http://<thecus_nas>:631/prin</thecus_nas></pre>	et or on home or office network" ") URL nters/usb-printer .
7. Windows	
8. Windows " <b>Yes()</b> <b>()</b>	". Next

9. Finish ( )

•	USB	가			
•	(	)	가 N5200PRO	•	

#### Windows Vista

Windows Vista

1. Printer Folder ()

Control Panel (

).

:



.

2. Printers() Printer(7/) Add

,

Storing . Howe	mo young	• rough		- 1-74-11 10	ann		
🐚 Organize 🖬 🏦 Viens	• @	dagainer i	_		_	_	1
Pevante Links	Name	Documents	Status	Comments	Location	Model	
E Decomenta E Fictures	4	Will		Witter	h XPS Docume	ei -	
More #			View				
Folders 👻			Set By				
E Desktop -			Group By				
III fae			Rece By				
🛦 Public			Refresh				
Computer			Contract of the local division of the local				
Control France			Parts.	11			
Additional Opt			Pene shere				
Appearance an			снае серу		Marg.		
Ock, Langua		*	Fun as admi	ristation	1.8		
S Ease of Access			Add Doubat				
itte Hardware and			Easter Dance	dias :			
P.g. AutoPlay				5155 C			

3. Add a network, wireless or Bluetooth printe ( Bluetooth ) 7



4. The printer that I want isn't listed (



The printer that I want isn't listed ( Searching for available printers ( 가)

*가 )* 가

)

5. Select a shared printer by name (

.



http://<Thecus\_NAS>:631/printers/usb-printer
<Thecus\_NAS\_IP> N5200PRO IP . Next ( )



가

)

7. Windows



8. Set as the default printer (



)



9. 가 ! Finish ( )



# 6 : N5200PRO

N5200PR0가

N5200PRO IP (IP http://192.168.1.100) N5200PRO Login(N5200PRO )

Network()ServiceSupport()WebDisk Support(WebDisk)Secure WebDisk Support(WebDisk)7.4:>>

. WebDisk

# . Webl

WebDisk

N5200PRO WebDisk

1. **4**: >

. 2. WebDisk 기

.

- 가 3.
- 4.

Login( )

ID . >

(ACL:Access Control List)

가

 Name( )
 .

 Size( )
 .

 Type( )
 .

 Modified Date( )
 ?

5.

1 1

Up( )	
New folder( )	
New file (upload)(	
( ))	
Delete Selected	
Items()	

6.

New Folder( ) . . OK( ) . > (ACL :Access Control List)

### PC N5200PRO

#### N5200PRO

. N5200PRO :

#### Windows

- 1. WindowsMy computer ( ))2.Tools ( )Map Network Drive (
- **)...** .
- 4. .
- 5. **Browse ( )** . . IP . ( \\192.168.1.100\share)
- 6. *Finish* ( ) . Connect As...( ...)

.

7. *OK ( )* · · 가 가

### Apple OS X

1. Go ( ) > Connect to Server... ( ...)

# 2.

SMB/CIFS smb://192.168.1.100/Folder1 AFP afp://192.168.1.100/Folder1 *Connect ( )* 

3. MAC OS X N5200PRO

:

4. MAC OS X N5200PRO OS X

## N5200PRO iSCSI

N5200PRO iSCSI . iSCSI N5200PRO N5200PRO N5200PRO

.

.

.

#### Windows 2000/XP

- 1. Microsoft (http://www.microsoft.com) iSCSI Initiator . iSCSI Initiator
- 2. 가 EXE iSCSI Initiator . 가 Run()



:

3. Setup Wizard( ) iSCSI Initiator *Next(* )

Use this wizard to install the following software update:
MICROSOFLISCS1 Initiator Before you install this update, we recommend that you: - Back up your system - Close all open programs You might need to restart your computer after you complete
this update. To continue, click Next

I Initiator .



I Agree( )

.



6. iSCSI Initiator가



7. iSCSI Initiator Initiator



Finish( )

.

. iSCSI

8. Discovery() Target Portals() Add( 7)

	covery	Targets	Persistent Targets	Bound Volumes/De
Larget Po	dals			
Addres	5	Port	Adapter	IP Addr
1	<u>a</u> dd		Bemove	Rettesh
SNS Sen	rers			
Name				
			Deserves	Datash

9. N5200PRO IP . OK( )

Type the IP address or DNS name and socket number of the por want to add. Click Advanced to select specific settings for the di session to the portal. IP address or DNS name: Port:	alsonu
IP address or DNS name; Port;	covery
xxx.xxxxxxxx 3260 Adv	anced

10. iSCSI Initiator Properties(iSCI Initiator )Targets()iSCSILog On()Log On to Target()7

SCSI Init	iator Prop	erties			Ē
General	Discovery	Targets	Persistent Targets	Bound Volumes/Devic	ei
Select a target. 0 devices	target and o lick details t for that targe	tlick Log ( o see info st.	In to access the stor mation about the ses	age devices for that ssions, connections and	
<u>⊺</u> argets	c				
Name				Status	
		De	tail: Log 0	n Rghesh	
		0	OK I	Cancel Apply	

11. CHAP

ОК( )



СНАР		Advanced(	)	. Advanced		
Settings(	)	CHAP login in	forma	ation(CHAP	)	
				.OK()		

.

dvanced Setting	8	2
General IPSec		
Connect by using	9	
Local adapter:	Default	¥
Source (P:	Default	~
Target Portal:	Default	¥
- CRC / Checksur	n	
Data digest	Header digest	
CHAP legon CHAP helps ens a target and an specify the same for this initiator.	information use data security by providing authentication betwee initiator trying to establish a connection. To use it target CHAP secret that was configured on the ta	sen iget
User name:	ign 1991-05.com microsoft thecus-2c1fb4b4.theo	246.
Target gecret:		
Perform mutu	al authentication	
To use mutual C page and config	HAP specify an initiator secret on the Initiator Settin ure that secret on the target.	ngs
	OK Cancel &	pply

12.

My computer ( )

Manage ( )

🞯 Desktop	
🗉 🛅 My Docume	ents
<ul> <li>My Compute</li> <li>My Compute</li></ul>	Collapse
🗄 🧼 AI7E) 🗄 🍚 DATA	Explore
E FAT3	Open Search
<ul> <li></li></ul>	Manage
	Map Network Drive Disconnect Network Drive
<ul> <li>Desude E</li> </ul>	Delete Rename
💿 кесусе в	Properties
.

Consider Management Local Statutes Tools Statutes Tools Sta	Mare Martin (J.) Watan) Watan)	innit lan Palitan Basi Palitan Basi Palitan Basi	NY LOW	Bates reading (Listen) reading reading	Capacito 4.01 (2) (4.75-2) 4.01 (2)	1.15 all 31.45 all 31.46 all 1.36 all 1.36 all	2222
A management		_					-
a general lipitana	Content of	ALMIPS O	· ·	Na (91) Statistic	44		
	Conta 1 Universit at 10-pp Ref 3 Anglese	akin ini United			_	-	

14. iSCSI

### Windows Vista

Windows VistaMicrosoft iSCSI Initiator77iSCSI Initiator- 14N5200PRO

#### N5200PRO

# Nsync

) FTP . N5200PRO(Nsync Nsync N5200PRO

.

- N5200PRO N5200PRO .
- N5200PRO , , , . Nsync 가 .

Storage( ) Nsync Nsync

Nsync	
Task name( )	Nsync
Server()	IP
Share folder()	
Last Time()	Nsync
Last Status	Nsync
( )	
Action()	Nsync
Bandwidth Setting	Nsync
( )	
Add( 가)	Nsync 가 .
Modify( )	Nsync .
Restore()	Nsync .
Delete()	Nsync . Nsync

# Nsync 가

# Nsync Information(Nsync ) Add(가) Add Nsync Task(Nsync 가)

Nsync 가	
Task Name()	Nsync
Manufacturer()	Thecus (: N5200PRO) FTP .
Target Server IP	IP
Address	
( IP )	
Source Folder(	
)	
Nsync Task Name	Nsync
(Nsync )	
Authorized Username	
on Target Server(	
)	
Password on Target	
Server(	
)	
Test Connection(	· ·
)	
Schedule( )	
Time()	Nsync
Type( )	Nsync , .
	Daily ( ): Nsync
	Weekly ( ):
	Monthly ( ):
Apply( )	



### Nsync Nsync

Nsync "nsync"

- 1. Nsync
   Nsync
   ( : nsyncsource1)
   가

   N5200PRO
   가
   4 :
   >

   >
   >
   가
   .
- 2. Nsync 7 ( : nsyncsource1) nsync ACL 4 : > > (ACL)
- 3. ID Nsync

#### Nsync

 Nsync
 "Other Device"()
 N5200PRO
 FTP

 Auth ID(
 ID)가
 "nsync"
 가

#### N5200PRO Nsync

N5200PRONsync, Nsync7Thecus NAS7N5200PRONetwork()Nsync Target (Nsync )Nsync Target ServerSetting (Nsync Target ).

Nsync			
Nsync Target Server (Nsync )	Nsync		
	Nsync	TCP/1194	

#### Thecus

 Thecus Backup Utility
 CD
 Backup Utility7

 Program Groups > Thecus > Thecus Backup Utility.exe)
 CD
 Backup Utility7



Yes( )

1. **Add( 가)** 가 . Add New Task (가)

가	
Task()	
Source()	/ .
Incremental()	
Destination()	/ .
Excluded extensions	
( )	
Comments()	

2.

Schedule( ) Monthly( ) Weekly( )

3. Log( )
Thecus Backup Utility MAC OS X . Thecus Backup
Utility.dmg MAC OS X

#### Windows XP

Windows XP Professional	Windows	(Ntbackup.exe)
Windows XP Home Edition		:
1. Windows XP CD		CD
2. Microsoft Windows XP Additional Tasks( 기	)	Perform
3. Browse this CD( CD	)	
4. Windows ValueAdd	> Msft > Ntl	backup
5. Ntbackup.msi		
Windows	i	:
1. Start()  All (  )> System Too ·	Programs ( Is (	) > Accessories ) > Backup( )
2. Next( ) files and settings(	)	. Backup Next( )
3		
4. Next( ) Browse( )	1 1	
5. N5200PRO		Next()
6. <b>Next()</b> .		Finish()

# Apple OS X

.

Mac OS X7.Mac OS X77: iBackup, Psyncx, iMSafe, Rsyncx, FolderSynchronizer X, Tri-BACKUP, Impression, Intego Personal Backup, SilverKeeper,<br/>Apple dotMac Backup.VersionTrackerApple dotMac Backup.VersionTrackerMacUpdate7"backup".

7 :

# USB eSATA

N5200PRO USB USB . USB 7 USB HDD N5200PRO 6 USB . USB

N5200PRO eSATA eSATA .

eSATA USB N5200PRO

\\192.168.1.100\usbhdd\sdf1 192.168.1.100 N5200PRO IP sdf1 #6 , eSATA USB . NTFS NAS \\192.168.1.100\usbhdd\sdf1 7

USB		FAT32	
USB	FAT32	NTFS	

### フト

RAID 1, RAID 5, RAID 6 RAID 10 RAID가 가 . 가 :

- 1. RAID Configuration(RAID )
- .

# USB

N5200PRO USB N5200PRO USB USB B PC N5200PRO USB

RAID RAID USB A-B N5200PRO PC PC . PC . RAID 가

RAID

RAID 가	USB	 가	

N5200PRO N5200PR07 N5200PRO N5200PRO 3 가 • Thecus N5200PRO NAS DNS가 /DSL PC DNS Asus WL500g 가 - DynDNS L 1. PC http://www.dyndns.org . 2. Sign Up Now( 기 ) ( : N5200PRO), 3. ( : 1 xxx@example.com) , *Enable Wildcard(* ) ( : xxxx) . 4. www.dyndns.org 5. 11 DDNS -1. PC IP Config(IP ) > Miscellaneous DDNS Setting( DDNS ) 2. Enable the DDNS Client?(DDNS ?) Yes() 3. www.dyndns.org . 4. : a. : xxx@example.com b. DDNS : XXXX : www.N5200PRO.dyndns.org C. d. ? Yes( ) : Update( ) e. ||| - 가 (HTTPS) 1. NAT Setting(NAT ) > Virtual Server(7) ) 2. Enable Virtual Server?(7) ?) Yes( ) 3. HTTPS a. Well-Known Applications( ): User Defined( ) b. Local IP( IP): 192.168.1.100 c. Port Range( ): 443(N5200PRO HTTPS ) d. Protocol( ): TCP . e. **Add( 7/)** . f. **Apply( )** .

4.

HTTPS

a. https://www.N5200PRO.dyndns.org . b. N5200PRO 가 . ( : Norton Internet Security) N5200PRO 가 : NIS Personal Firewall( 1. ) . 2. Programs( ) SetupWizard.exe 가 "Permit All( 가)" Add(가) Program Scan( ) 3. Networking( ) N5200PRO IP ( : 192.168.1.100) 가. Trusted( ) RAID 1, RAID 5, RAID 6 RAID 10 Thecus N5200PRO . RAID 가 , LCD N5200PRO 1. 2. 3. 4. N5200PRO 5. HDD가 LED가 RAID N5200PRO RAID 1, 5, 6 10 가 . 가 1. 2. LCD 가 3.

4.

# 8 :

. N5200PRO7 WAN IP 192.168.1.100 admin .

# IP

IP N5200PRO LCD N5200PRO IP IP :

- 1. 가 Thecus
- 2. N5200PRO IP Device Discovery( )

# NAS IP

N5200PRO IP

- 1. N5200PRO 가 가 3-5 *Reset()*.( .)
- 2. N5200PRO가 IP

.

IP: WAN 192.168.1.100, LAN 192.168.2.100 : admin Jumbo Frame Support(): disabled () HTTP: 80, HTTPs: 443

# Windows XP

- 1. 가
- 2. 가 : Multiple connections to a server or shared resource by the same user, using more than one user name, are not allowed ( 가 ). . DOS net use . URL .

가

:

http://esupport.thecus.com/support/index.php?\_m=downloads&\_a=viewdown load&downloaditemid=57&nav=0 System()Factory Default()Reset toFactory Default())Apply()N5200PR07



 N5200PRO
 NTP
 .

 N5200PRO가
 가
 가

 .
 가
 .

- 1. .
- 2. System( ) > Time( )
- 3. NTP Server(NTP ) No( )
- 4. Date(), Time(), Time Zone()
- 5. **Apply( )** .

 N5200PRO7:
 NTP
 clock.isc.org

 DNS
 NTP

 . (Network())
 ) > WAN > DNS Server(DNS)

	N5200BR PRO	N5200BR PRO
/		
	Intel® 1.5GHz Ce	leron® M
	512MB DDR	
WAN	가 RJ-45	가 RJ-45
LAN	가 RJ-45	4- 가
HDD	5 x 3.5" SATA II HDD,	가
HDD	SATA II HDD, 1000GE	3
eSATA	eSATA 1	
1/0		
USB	USBA3(	)
	USB B 1 (	)
LCD		
LED	LED 5 (DOM, Network Ad	ctivity( ) 2 ,
	USB Copy(USB ), Syst	em Busy( ))
	230 mm	
	190 mm	
	230 mm	
	AC	
	100/220V AC, 50/60Hz,	
	0 ~ 40°C	<u>`</u>
	20% ~ 85% (	)
	CE, FCC, BSMI, C-Tick, Ro	HS

Microsoft Networks (CIFS/SMB)	
Apple Filing Protocol (AFP 3.1)	
Network File System (NFS v3)	
File Transfer Protocol (FTP)	
Hyper Text Transfer Protocol (HTTP)	
Secure Hyper Text Transfer Protocol (HTTPs	)
Microsoft NT Domain Controller (PDC)*	
Microsoft Active Directory (AD)*	
Microsoft Windows NT/2000/XP/2003/Vista	
Unix/Linux/BSD	
MAC OS X/9/8.6	
IP	
IP	
802.3ad	*

	(*N5200B PRO )		
	(S.M.A.R.T.)		
RAID	RAID 0, 1, 5, 6, 10, JBOD RAID - RAID RAID RAID		
	· 가		
	RAID		
ISCSI	: Microsoft iSCSI Initiator v2.0.4 StarPort Initiator V3.5.2 MAC OS: globalSAN iSCSI 3.0 (1150) Linux: open-iscsi 2.0-865		
	가 가		
	OS X) Thecus Naver Dillity(Windows XP/2000 and MAC OS X) Thecus Nsync		
	GUI (,,,,,,) NTP (Wake-on-LAN) /		
	LCD		
UPS	RS-232 UPS , 가		
	USB (IPP )		
USB	USB HDD/ USB IEEE 802.11 b/g (AP )**		
	Windows 2000/XP/2003 MAC OS X		

\*PDC/AD : Microsoft NT 4.0 /Active Directory N5200PRO7

.

\*\* USB Sales@thecus.com .

# **B**:

#### http://www.thecus.com/download.php

:

N5200PRO 7 (Return Merchandise Authorization: RMA)

:

:

http://www.thecus.com/support\_tech.php

support-us@thecus.com

sales@thecus.com

# Thecus

Thecus

# C: RAID

RAID(Redundant Array of Independent Disks) . RAID I/O RAID . RAID . RAID I/O . RAID , I/O

,

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. RAID . RAID 가 가 RAID

# RAID

 Thecus N5200PRO
 RAID
 0, 1, 5, 6, 10
 JBOD
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 RAID
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- RAID :

# RAID 0

RAID 0 가 . RAID 0 RAID

#### RAID 0

· RAID7

#### RAID 1

RAID 1

# RAID 5

RAID 5 I/O ア , ア , ア . .

RAID 5

. 가

# RAID 6

RAID 6 RAID 5 ( ) 가 . RAID 5 가 , 가 . RAID 6 .

RAID 10

RAID 10 RAID 1 RAID 10 RAID 1 RAID 10 . RAID 1 . RAID 10 . RAID 1 . RAID 10 2

RAID 1 가

#### JBOD

(JBOD "Just a Bunch of Disks" ("") ) 가 RAID 가 가 , 가 . . JBOD 가 가 가

JBOD 가 기

Stripe Size( ) 가

. RAID 가 가

5	가	가 RAID	N5200PRO
		RAID	
		RAID 0	100%
		RAID 1	20%
		RAID 5	80%
		RAID 6	60%
		RAID 10	50%
		JBOD	100%
		RAID 10 4	

# **D: Active Directory**

Windows 2000 / Active Microsoft Directory(ADS) . Active Directory가 Windows OS 가 Active Directory . 가 . Active Directory 가 .

#### Active Directory ?

.

Active Directory 가

ı ı . 1 , Microsoft Active Directory 가 п н .

# **ADS**

ADS N5200PRO ADS N5200PRO ADS • ADS :

1. N5200PRO IT

N5200PRO ADS

ADS . N5200PRO

2. /

N5200PRO / N5200PRO 가 ADS . N5200PRO ADS . ADS 가 ADS

.

# E: UPS

			· · · · · · · · · · · · · · · · · · ·
Ablerex	MS-RT		
ActivePower	1400VA		
AEC	MiniGuard UPS 700 M2501		
	Back-UPS Pro		
	Matrix-UPS		
	Smart-UPS		
APC	Back-UPS	940-0095A/C , 940-0020B/C , 940-0023A	
	Back-UPS Office	940-0119A	
	Masterswitch Not a UPS - 940-0020		
	Back-UPS RS 500 - USB		
	Regulator Pro serial		
Dellin	Resource		
Beikin	Home Office	F6H350-SER, F6H500-SER, F6H650-SER	
	Universal UPS	F6C800-UNV, F6C120-UNV, F6C1100- UNV, F6H500ukUNV	
	Fortress()		
	Fortress Telecom		
	Axxium Rackmount		
Best Power	Patriot Pro		
Dest i owei	Patriot Pro II		
	Patriot INT51		
	Micro-Ferrups		
	Fortress/Ferrups f-		
Centralion	Blazer		
Clary	ST-800		
Compaq	T1500h		
Cyber Power Systems		320AVR, 500AVR, 650AVR, 700AVR, 800AVR 850AVR, 900AVR, 1250AVR, 1500AVR, Power99 550SL, 725SL, CPS825VA, 1100AVR, 1500AVR-HO	
Deltec	PowerRite Pro II		
Dynex	975AVR		
Effekta	MI/MT/MH 2502		
Energy Sistem	( )		
ETA	mini+UPS WinNT/Upsoft		
ETA	mini+UPS PRO UPS Explorer		
Ever UPS	NET *-DPC		
	AP *-PRO		
Ever-Power	625/1000		
Exide	NetUPS SE		
	PowerPal P-		
Fenton	PowerPal L-		
Technologies	PowerOn		
	PowerPure		
Fairstone		L525/L625/L750	
Fideltronik	Ares 700		
FIGULIOTIK	Ares		

Fiskars	PowerRite MAX		
	PowerServer	10, 30	
	가		
	MP110/210		
Gamatronic	MS-T		
	MS		
	μPS3/1		
Gemini	UPS625/UPS1000		
НР	R3000 XR		
	R5500 XR		
INELT	Monolith 1000LT		
Infosec	iPEL	350, 500, 750, 1000	
Ippon	( )		
Liebert	UPStation GXT2 -		
Masterguard	( )		
	HF Line	14 , /2 58	
	HF Millennium	810, 820	
	HF TOP Line	910, 920, 930, 940, 950, 960, 970, 980	
Meta System	ECO Network	750, M1000, M1050, M1500, M1800 M2000, M2100, M2500, M3000	
, ,	ECO	305, 308, 311, 511, 516, 519, 522	
	ally HF	800, 1000, 1250, 1600, 2000, 2500	
	Megaline	1250, 2500, 3750, 5000, 6250, 7500,	
	NOVA AVR 600 Serial	8750, 10000	
	NOVA AVR 1100 Serial		
	Dulgar Ellinga	USBS Serial , S, Premium USBS	
		Serial , Premium S	
	Ellipse Office	Serial , 1500 Serial , 1000	
	Pulsar EXtreme C / EX RT		
	Comet EX RT	, 3:1	
MGE UPS SYSTEMS	Pulsar Esprit		
	Evolution S	1250, 1750, 2500, 3000	
	Pulsar M	2200, 3000, 3000 XL	
	Dulcar	RT2U, MX 4000 RT, MX 5000 RT	
	Puisai	Evolution, EXtreme C, ES+, ESV+, SV,	
	Comet EXtreme		
	Comet / Galaxy (Serial)	Utalk Serial Card ( 66060), HID COM	
MicroDowoll		Serial Card ( 66066)	
Wilci ODOWell		1.0 1000VA, 1.5 1500VA, 2.0 2000VA.	
Microsol	Solis	3.0 3000VA	
	Rhino	20.0 3000VA, 7.5 1500VA, 10.0 2000VA, 20.0 3000VA	
Mustek	Powermust	400VA Plus, 600VA Plus, 800VA Pro	
Nitram	Elite	500, 2002	
Oneac	EG/ON Series		
Online	P-		
OnLite	AQUA 50		
Orvaldi	(400 600 )		
Powercom	SMK-800A		

Powercom	ULT-1000		
	TrustTrust 425/625		
	BNT-1000AP		
	Advice Partner/King Pr750		
	BNT-2000AP		
PowerGuard	PG-600		
PowerKinetics	9001		
PowerTech	Comp1000 DTR		
Power Walker	Line-Interactive VI1000		
Powerware		3110, 3115, 5119, 5125, 5119 RM, PW5115 PW5125PW9120, PW9125, 9120, 9150, 9305	
Powerwell	PM525A/-625A/-800A/- 1000A/-1250A		
	RPF525/625/800/1000		
Repotec	RPT-800A		
	RPT-162A		
SMS()	Manager III		
SOLA		325, 520, 610, 620, 330	
SOLA/BASIC Mexico	ISBMEX		
Socomec Sicon	Egys 420 VA		
Soltec	Winmate 525/625/800/1000		
Soyntec	Sekury C	500, 800	
SquareOne Power	QP1000		
SuperPower	HP360, Hope-550		
	500/1000 - SafeNet		
Sweex	500/1000 - UPSmart		
	BC100060 800VA		
Sysgration	UPGUARDS Pro650		
Tecnoware	Easy Power 1200		
	SmartUPS		
Tripp Lite	SmartOnline		
Tripp-Lite	( ) Lan 2.2 - 73-0844		
Trust	UPS 1000 Management PW- 4105		
UNITEK	Alpha	500 IC, 1000is, 500 ipE	
LIDSopic	LAN Saver 600		
UFSUNIC	Power Guardian		
Victrop /INAV	( )		
	Lite		

:	UPS UPS	UPS 가		가
0 0 0	SEC RUPS RUPS 2000(Megate PhoenixTec	ec M2501	)	

o Safenet

# F: 가

GNU 가 (General Public License: GPL) 3 가 . 가 가 GNU 가 . **기** 

Thecus Technology Corp. GPL

http://www.thecus.com

- (Eric Young)(eay@cryptsoft.com)
- 가 .
- (Mark Murray)7├ 7├ .
  (Eric Young)(eay@cryptsoft.com) 7├
- OpenSSL Toolkit OpenSSL (OpenSSL Project)(http://www.openssl.org/)7} 7}
- (http://www.php.net/) PHP7
- (University of California, Berkeley) 가
- Winning Strategies, Inc.7<sup>1</sup>
   Apache HTTP (Apache
- Group)(http://www.apache.org/)7•Softweyr LLC,<br/>Berkeley)(University of California,<br/>7
- (Bodo Moeller)가 가 .
- (Greg Roelofs) , O'Reilly and Associates
   "PNG: The Definitive Guide(PNG: )"
   71
- NetBSD Foundation, Inc. 가
- (North Dakota State University)가 가 .
- (Lawrence Berkeley Laboratory)
   (Computer Systems Engineering Group)
- 7⊦
   Kungliga Tekniska Högskolan
- (Nick Simicich)가 가 .

가

- (Tim Hudson)(tjh@cryptsoft.com) 7
- (Christopher G. Demetriou)가 NetBSD
   가

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# GNU 가

2, 1991 6

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