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09.03.04⁸

681.3.06

2004/2005

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4.03.05 **8**

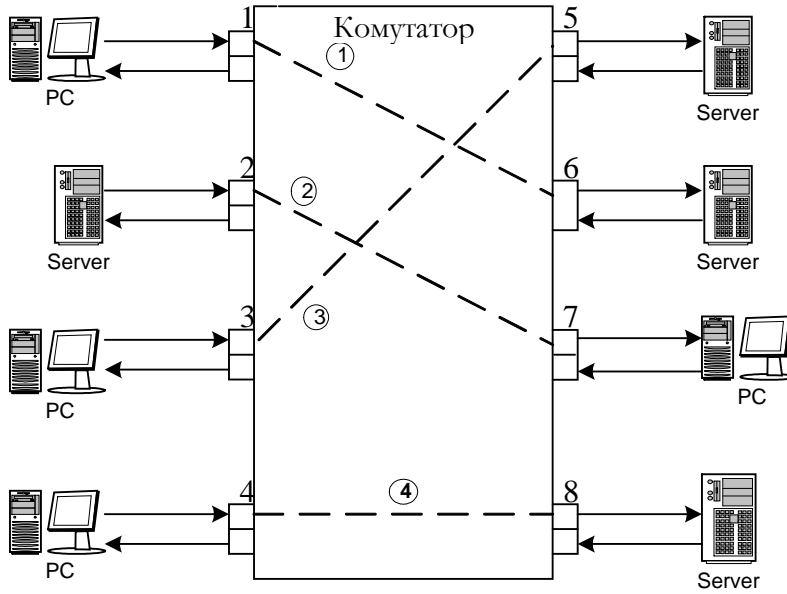
8-

8
16 -

Ethernet,

40

.2.



① ... ④ — потоки кадрів поміж комп'ютерами

2 –

$$4 \times 10 = 40 \quad / ,$$

$$(N/2) \times 10 \quad / . \quad ,$$

$$(10 \quad /) .$$

N –
-

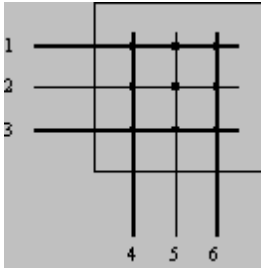
$$10 \quad / , \quad C_{pi} \quad 20 \quad / . \quad 10 \quad / ,$$

$$, - \quad C_{pi}$$

Ethernet
-

2.3

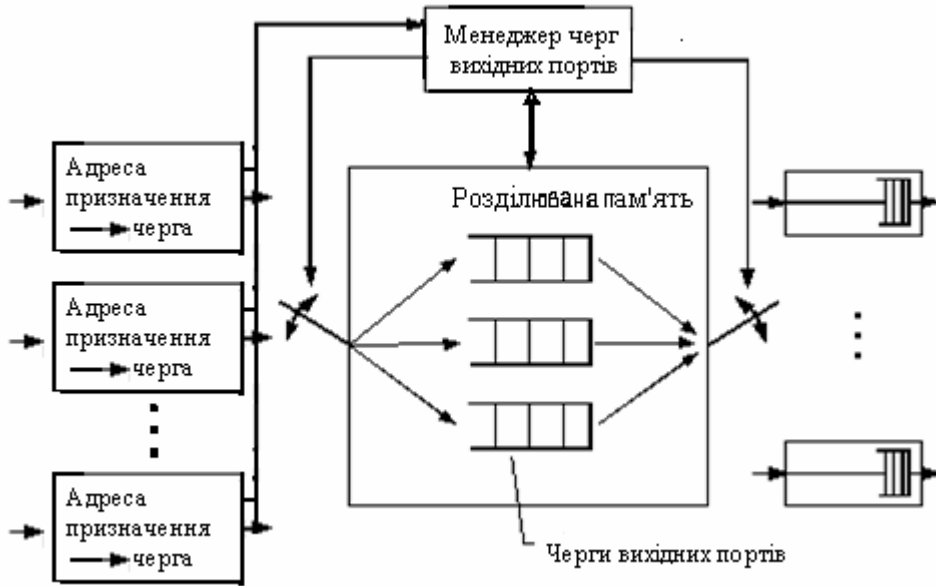
- ;
- ;
- .



(. 3).

3 - -
- -

4.

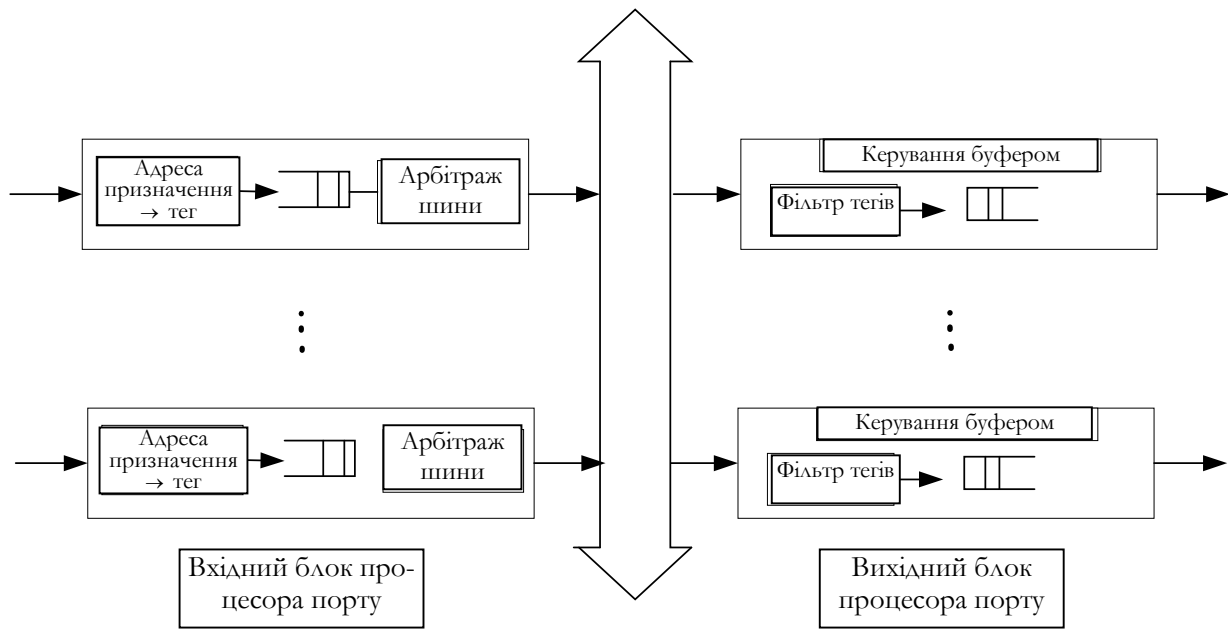


4 -

N

5.

$N/2$ ($N -$)

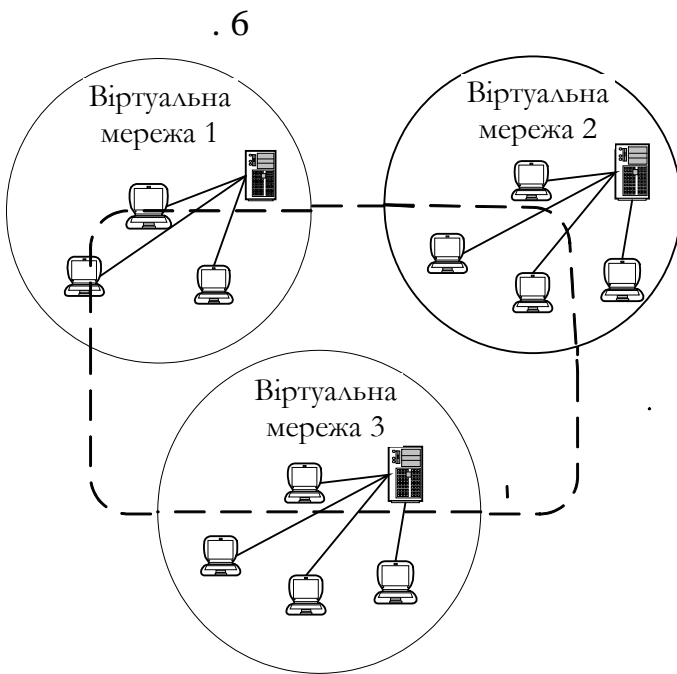


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2.4

(Virtual LAN, VLAN).

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6-

(. 7).

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IEEE

802.1Q,

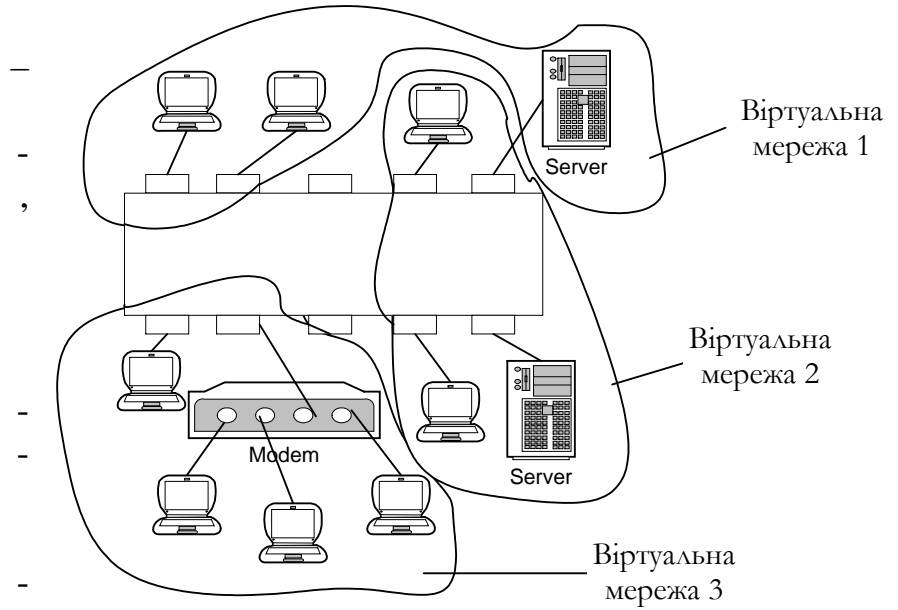
2 3

2,

3

3

VLAN,



7 -

2.5

FNSW-16/2400S PLANET

FNSW-16/2400S PLANET

10

VLAN,

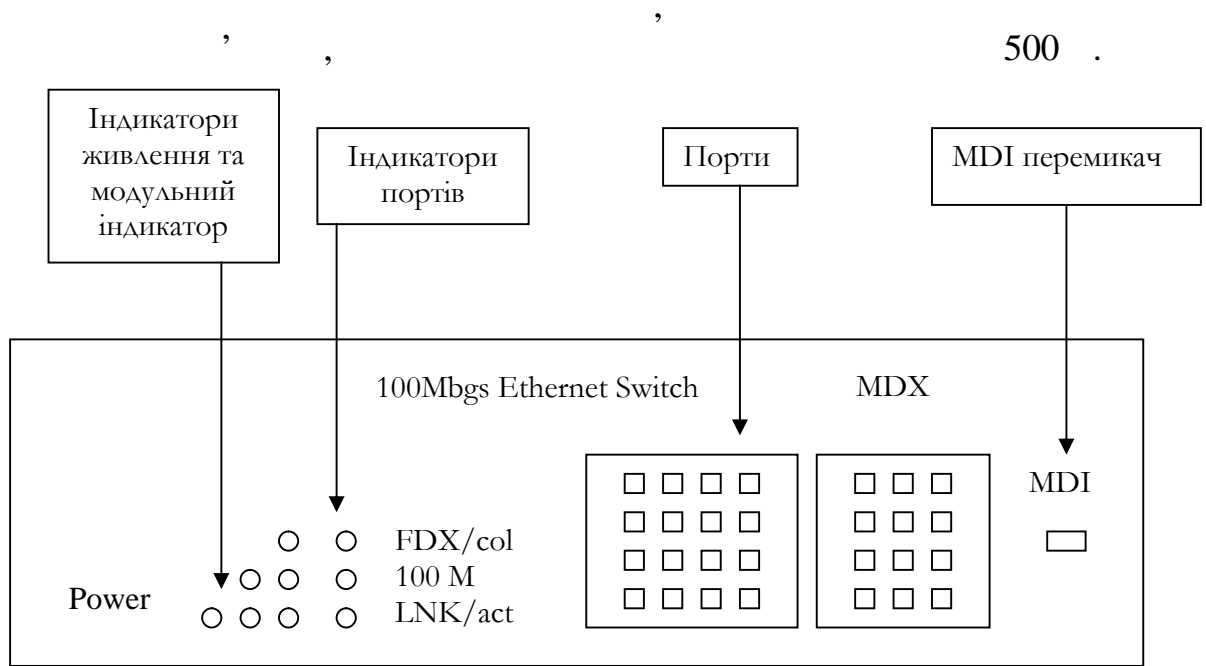
FNSW-16/2400S PLANET

. 8.

FNSW-16/2400S 16

100 /) 100Base-TX (RJ-45 AUI

100Base-FX (



8 –

FNSW-16/2400S

RJ-45,
MDI-X (MDI).

MDI-X

MDI-X

MDI

100Base-TX

100Base-TX

10Base-T.

(.. 1.).

1 -

		FDX	-
		COL	
		Link	(TP/STP)
		Activity	
		100	100 Mbps -
		10	10 Mbps -



9 -

FNSW-16/2400S

16-
100base-FX.

, 16-

: 100 240 , : 50/60 .

RS-232
RS-232

(- 1 COM2) ,

2.6

FNSW-16/2400S

RS-232 , -
 Hyper Terminal (-
 Windows 9.x, 2000, NT) :
 - *Hyper Terminal*
 Hyper Terminal , -
 :
 Rate baud (): 19200 bps
 Data byte (): 8 bits
 Parity Check (): None
 Stop bit (): 1
 Flow control (): No

:

Planet FNSU-24005 Ethernet Smart Switch
 Console Menu Rev. v. 100
 (1) Trunk/VLAN Setting
 (2) Port Status
 (3) Port Setting
 (4) Factory Setting
 (5) Redundant Link
 (6) Save Setting
 Select: (1-6)

(1) Trunk/VLAN Setting (/)
 (2) Port Status ()
 (3) Port Setting ()
 (4) Factory Setting ()
 (5) Redundant Link (,)
 (6) Save Setting ()
 «ENTER».

2.7

(Trunk/VLAN Setting)

Trunk/VLAN Setting, -

:

(1) Trunking (2) VLAN Setting (3) Exit»

VLAN ()

«2»,

:

```

PORT   01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22
23 24
VLAN1  X X X X X X X X X X X X X X X X X X X X X X
X X
VLAN2
VLAN3
VLAN4
(1) Set VLAN (2) Save/Exit (3) Exit»

```

:

VLAN1.

«SAVE».

1.

:

1.

VLAN2,

Enter Port # » 1

Toggle Group (1-4) to add/remove (5) Update VLAN setting » 2
 Toggle Group (1-4) to add/remove (5) Update VLAN setting » 5

:

```

PORT   01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22
23 24
VLAN1  X X X X X X X X X X X X X X X X X X X X X X
X X
VLAN2  X
VLAN3
VLAN4
(1) Set VLAN (2) Save/Exit (3) Exit»

```

2.

5-

```

PORT   01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22
23 24
VLAN1  X           X X X X X X X X X X X X X X X X X X
X X X
VLAN2  X           X
VLAN3  X           X
VLAN4  X X

```

(1) Set VLAN (2) Save/Exit (3) Exit» 1
 Enetr Port # » 5

Toggle Group (1-4) to add/remove (5) Update VLAN setting » 2
 Toggle Group (1-4) to add/remove (5) Update VLAN setting » 3
 Toggle Group (1-4) to add/remove (5) Update VLAN setting » 4
 Toggle Group (1-4) to add/remove (5) Update VLAN setting » 5

5- ,
 . ,
 , , 5-
 ().

2.8

PORT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
AutoN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BackP	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pause	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SWITCH in 1-VLAN mode

Any key to quit!!

Auto –
 Back –
 Pause –

2.9

«3» , -
 , :

Enter Port Number

1 :

100 / . , , -
 «Port Mode», «100FDX»:

Enter Port Number ((qq) to guit) » 1

Select (1) Port Mode (2) Pause (3) Back Preasure » 1
 Select (1) Auto_Nego (2) 100FDX (4) 10FDX (5) 10HDX » 2

2

2-

Enter Port Number ((qq) to quit) » 2

Select (1) Port Mode (2) Pause (3) Back Preassure » 2
Select Pause in FDX (1) Enable (2) Disable » 1

«Pause»

,
,
, ()

Enter Port Number ((qq) to quit) » 3
Select (1) Port Mode (2) Pause (3) Back Preassure » 3
Select Back Preassure in HDX (1) Enable (2) Disable » 1

3

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2.10

«6»

2.11

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1
2
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3
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 5 « » ? ?
 6
 7 MDI MDI-X.
 8 ?
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1
 2
 3

1
 COM-2 , 5 , , tip (tip com1).
 2 , , , , ping. IP-
 3 . , -

3
 :
 • , 1 2 VLAN2
 • , 3 4 VLAN3
 • , 5
 4 , VLAN.
 , , VLAN, ,
 VLAN ,

5 5
 6 6
 7

1
 2
 3
 4
 5
 6

1
 .- : .“ ”, 2000. - 672 .