

# FortiGate 200F ?TP-LINK 8411? H3C MSR3640-G ?????????? CPS NAT?????

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- Fortinet FortiGate 200F  
→ ???? /???? NGFW
- TP-Link ER8411  
→ ????? NAT ?
- H3C MSR3640-G  
→ ???? WAN/MPLS ?

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- CPS
- NAT ?
- ?
- ?

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|----------------|----------------|
| FortiGate 200F | ASIC ???? NGFW |
| TP-Link ER8411 | ??? NAT ????   |
| H3C MSR3640-G  | ? WAN/MPLS ?   |

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# PRODUCT COMPARISON TABLE

|                      | <a href="#">Fortinet FortiGate 200F</a> | <a href="#">TP-Link ER8411</a> | H3C MSR3640-G      |
|----------------------|---|--------------------------------|--------------------|
| NGFW                 | NGFW                                    | NAT                            | WAN                |
| Concurrent Sessions  | 300                                     | 230                            |                    |
| New Sessions/sec CPS | 28 /s                                   | 2 /s                           |                    |
| NAT Throughput       |   | 9.4Gbps                        | ACL+NAT+QoS 12Gbps |
| PPS                  | 16.5Mpps                                | 210 pps                        | 400Mpps NAT        |
| ASIC                 |   |                                |                    |
| 10G                  |   | 10G                            | 5x10G              |
| 25G                  |   |                                |                    |
| VPN                  |   |                                |                    |
| BGP/MPLS             |   |                                |                    |
| SD-WAN               |   |                                |                    |
| 1U                   | 1U                                      | 1U                             | 2U                 |
| Power                | 80~110W                                 | 20~30W                         | 150~300W           |
|                      |   |                                |                    |
|                      |   |                                |                    |
| PCDN                 |   |                                |                    |
|                      |   |                                |                    |
| ISP/IDC              |   |                                |                    |
|                      |   |                                |                    |
| License              |   |                                |                    |

FortiGate TP-Link

H3C MSR3600

[\(TP-Link\)](#)

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CPS?????????

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- NAT
- BT
- PCDN
- HTTP
- Docker/K8S

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# 1. FortiGate 200F

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“ASIC /NAT

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- 300
- 28 CPS
- 16.5Mpps
- 
- Session

□□□□

- PCDN
- 
- CGNAT
- IDC
- NAT

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([reddit.com](https://www.reddit.com))

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☐☐☐

## Fortinet ??? ASIC

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- NAT
- Session
- IPS
- SSL
- ☐☐ PPS

☐☐ ARM CPU ☐☐

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## License ??

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- IPS
- AV
- DPI

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“☐☐ NAT ☐☐

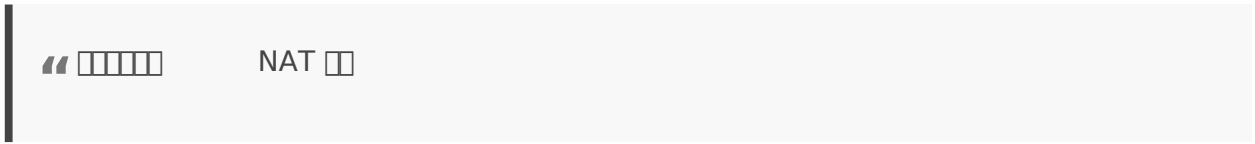
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## 2. TP-Link ER8411

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- 230☐ Session
- 1U
- ☐ 10G
- ☐☐☐☐
- Omada ☐☐☐

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- 230☐☐☐
- 2☐ CPS
- NAT ☐☐ 10Gbps([TP-Link](#))

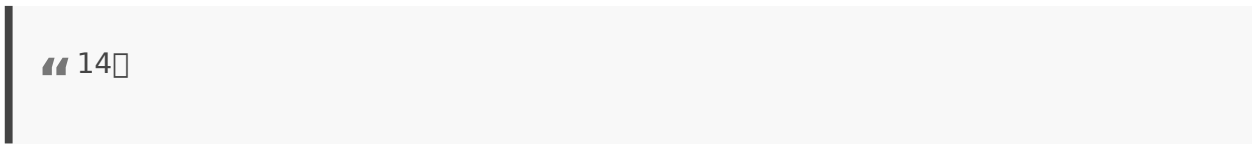
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CPS ?? 2?/s

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- FortiGate 200F☐
  - 28☐ /s

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- BT
- ☐☐☐☐
- HTTP flood
- ☐☐ API

☐☐☐ FortiGate☐

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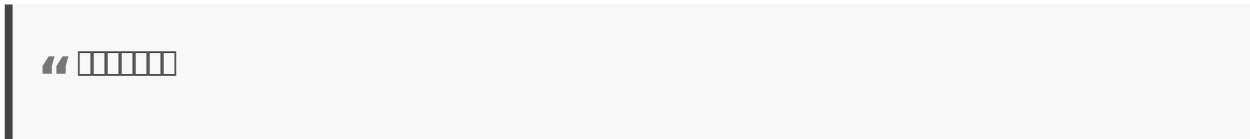
?? PPS ???

ER8411☐

- 64B ☐☐☐
  - ☐ 210☐ pps([TP-Link](#))

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Reddit ☐☐☐☐☐

- Controller ☐☐☐☐☐
- Session ☐☐
- ☐☐☐☐☐☐ ([reddit.com](#))

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IDC???

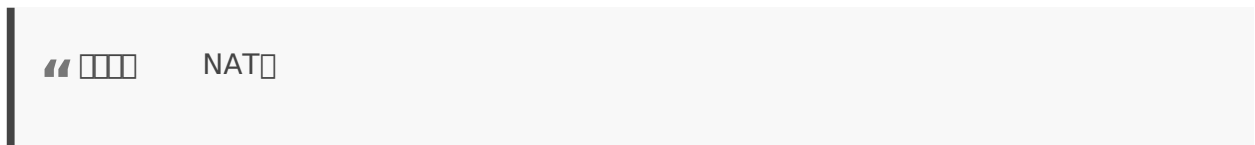
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## 3. H3C MSR3640-G

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H3C □□



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- MPLS
  - BGP
  - VPN
  - SD-WAN
  - □□ WAN
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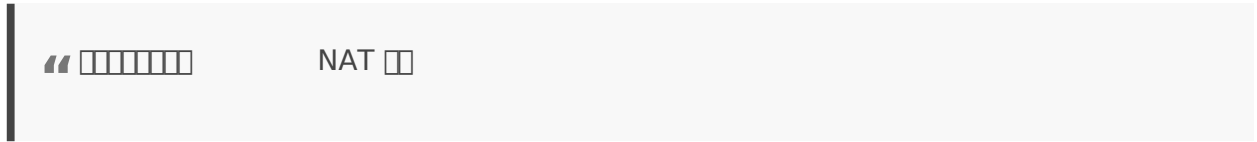
- 400Mpps
  - 25Gbps IP Forward
  - NAT+ACL+QoS□
    - 12Gbps([H3C](#))
-

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??? CPS

??? NAT Session

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- Cisco ISR
- □□ AR/MSR
- Juniper Branch

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- CGNAT □□

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| □□       | □□        |
|----------|-----------|
| □□ NAT   | FortiGate |
| □□□□     | FortiGate |
| □□ PPS   | FortiGate |
| □□ WAN   | H3C       |
| MPLS/BGP | H3C       |
| □□       | ER8411    |
| □□       | ER8411    |
| □□□□     | ER8411    |
| IDC□□    | FortiGate |

| □□   | □□         |
|------|------------|
| PCDN | FortiGate  |
| □□□□ | ER8411/H3C |
| □□□□ | H3C        |

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PCDN

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CGNAT

IDC

?? NAT

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# FortiGate 200F

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“□□□□ NAT □□ ”

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Docker/K8S NAT

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NAS

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# ER8411

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MPLS

BGP

IPSec

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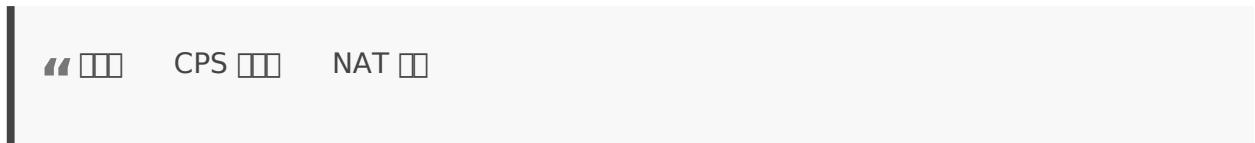
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# H3C MSR3640-G

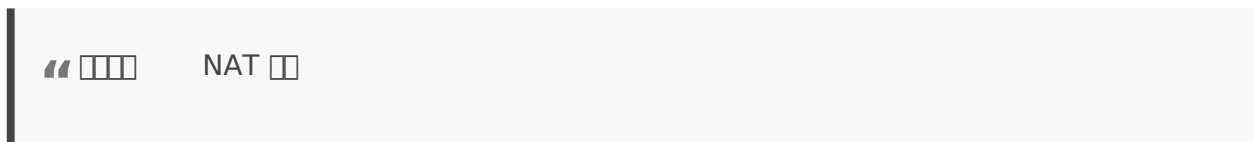
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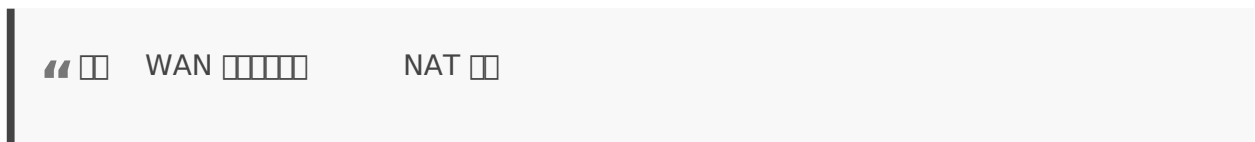
## FortiGate 200F



## ER8411



## H3C MSR3640-G



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## . Fortinet FortiGate 200F

Description: None

Price: €861.33

URL:

Number of Reviews: 1

Rating: 5.0

Featured Tag: None

Merchants: Made-in-China.com

“ASIC ”

# .TP-Link ER8411

Description: None

Price: €280.30

URL:

Number of Reviews: 41

Rating: 4.7

Featured Tag: None

Merchants: Amazon.de

“ NAT ”

- H3C MSR3640-G

“ WAN/MPLS ”

“ ”

“ CPU/ ”

# ????????????????

|            | <a href="#">Fortinet FortiGate 200F</a> | <a href="#">TP-Link ER8411</a> | H3C MSR3640-G |
|------------|---|--------------------------------|---------------|
|            | NGFW                                    | NAT                            | WAN           |
| CPU        | FortiASIC + SoC4                        | ARM64                          | 1.8GHz CPU    |
| CPU        |   | 2.2GHz                         | 1.8GHz        |
| CPU        | ASIC                                    | 4                              |               |
|            | NP6/CP9 ASIC                            |                                |               |
| RAM        | 16GB DDR4                               | 4GB                            | 4GB DDR4      |
| Flash/eMMC | 128GB SSD                               | 512MB NAND                     | 4GB/8GB eMMC  |
|            | 300                                     | 230                            |               |
| CPS        | 28 /s                                   | 2 /s                           |               |

|            | <a href="#">Fortinet FortiGate 200F</a> | <a href="#">TP-Link ER8411</a> | <a href="#">H3C MSR3640-G</a> |
|------------|---|--------------------------------|-------------------------------|
| PPS        | 16.5Mpps                                | 2.1Mpps                        | 400Mpps                       |
| NAT        |   | 9.4Gbps                        | NAT+ACL+QoS 12Gbps            |
| IP Forward |   |                                | 25Gbps IMIX                   |
| VPN        |   |                                |                               |
| 10G        |   | 10G SFP+                       | 6×10G SFP+                    |
| 25G        |   |                                |                               |
|            |   |                                |                               |
|            | 1U                                      | 1U                             | 2U                            |
|            | 80~110W                                 | 20~30W                         | 251W                          |
|            |   |                                |                               |
|            | FortiOS                                 | Omada OS                       | Comware                       |
|            |   |                                |                               |
| License    |   |                                |                               |

H3C [MSR3600](#) [\(H3C\)](#)

# 1. FortiGate 200F??????????

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FortiGate [CPU](#)

[CPU](#)

## FortiASIC

[CPU](#)

- NP6
- CP9

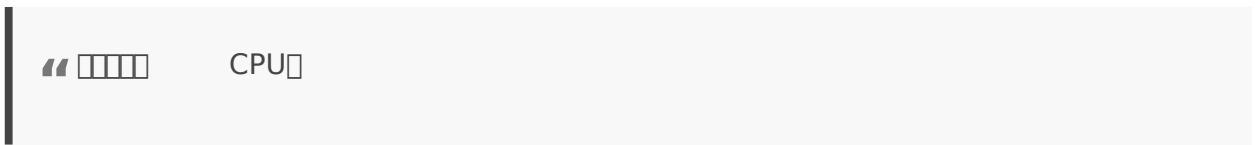
[CPU](#)

- NAT
  - Session
  - IPS
  - SSL
  - [ ] PPS
- 

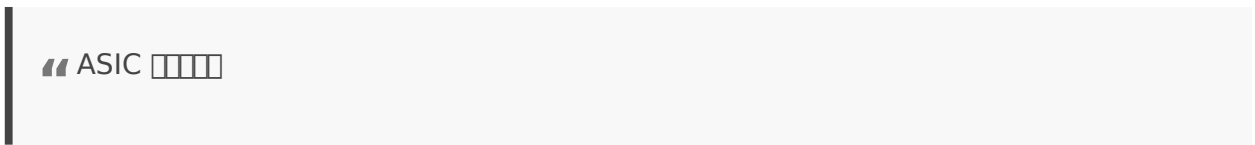
# ???? CPS ??

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- 28 [ ] CPS
- 300 [ ] [ ]
- 16.5Mpps

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- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
- CGNAT [ ]
- [ ] [ ] [ ] [ ] [ ] [ ]
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- PCDN
  - [ ]
  - IDC
  - ISP [ ]
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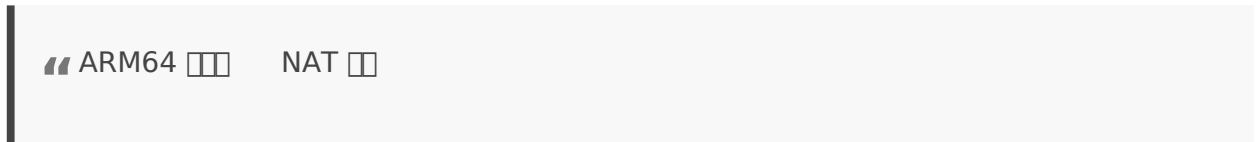
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- [ ]
  - License [ ]
  - [ ]
  - [ ] ER8411
- 

## 2. TP-Link ER8411???????

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[ ]

- 4 [ ] 2.2GHz
  - 4GB RAM
  - [ ] ASIC
  - [ ] CPU [ ] NAT
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[ ]

- 20~30W

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- FortiGate
- H3C

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## NAT Session ??

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- 230□□□

□□□ SMB □□□□□

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## Omada ???

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- □□□□
  - Docker NAT
  - NAS
  - □□□□
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## CPS ??

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- 2□ /s

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FortiGate□

- 28 /s

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# 14?

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# ?????

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ER8411□

# ? ASIC

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- NAT
- contrack
- ACL

□□ CPU□

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# ???

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# ???????

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- BT
- API flood
- PCDN
- [ ] [ ] [ ] [ ]

[ ] [ ] [ ] [ ] FortiGate [ ]

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# 3. H3C MSR3640-G?????? WAN ???

H3C [ ] [ ] [ ] [ ] ([H3C](#))

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## CPU

[ ] [ ] [ ]

- 1.8GHz

[ ] [ ] [ ] [ ] [ ] [ ]

- [ ] [ ] [ ]

H3C [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

- [ ] [ ] CPU
  - [ ] [ ] forwarding ASIC/NP
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- 4GB DDR4

Flash [ ]

- 4GB □ 8GB eMMC
- 

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□□ NAT□

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- MPLS
  - BGP
  - IPSec
  - GRE
  - SD-WAN
  - WAN Routing
- 

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- 400Mpps □□
- 25Gbps IP Forward
- ACL+NAT+QoS□
  - 12Gbps

(H3C)

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- CPS
- NAT Session

□□□□□



□□□□□□

NAT □□□

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- Cisco ISR
- □□ AR/MSR
- □□ WAN Router

□□□

- CGNAT □□□

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| □□          | □□            |
|-------------|---------------|
| CPS         | FortiGate     |
| NAT Session | FortiGate     |
| □□ PPS      | FortiGate     |
| □□          | ER8411        |
| □□□         | ER8411        |
| □□ WAN      | H3C           |
| MPLS/BGP    | H3C           |
| PCDN        | FortiGate     |
| □□□□        | FortiGate     |
| □□□         | ER8411        |
| □□□□□□      | H3C/FortiGate |

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??? NAT

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# FortiGate 200F

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# ER8411

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MPLS/BGP/???

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# H3C MSR3640-G

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# FortiGate 200F

“ASIC ☐☐ “☐☐☐ NAT ☐☐ ”

# ER8411

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ARM CPU 11 “1111 NAT 11 ”

# H3C MSR3640-G

“11 WAN 111111 NAT 11

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Revision #2

Created 28 May 2026 02:03:35 by Admin

Updated 28 May 2026 03:10:15 by Admin