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NNXiN

# Network Security Appliance



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# F19611

## Network appliance with Intel J1900 Processor, 6 to 10 GbE Lan Ports



### Features

- Onboard Intel Bay Trail J1900 Quad-core Processor, 2.0GHz, L2 Cache
- One 204-pin DDR3-L DIMM slots, up to 8 GB
- Six Intel PCIe GbE controllers, support two channels bypass
- One SATA interface and one mSATA interface
- Two USB3.0, One CF Typell
- One RJ45 for RS232 communication
- Optional one nic module adding 4 GbE network ports

### Specifications

Motherboard	
CPU	Onboard Intel Bay Trail J1900 Quad-core CPU
System memory	One 204-pin DDR3-L DIMM slots, up to 8GB
Storage	
Interface	One SATA and one mSATA connectors
Hard Drive	One 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	2 channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Reset Button	One built-in reset button
Indicator	One Power LED, one HDD LED
Video	Built-in one VGA interface, support hot plug(Internal)
Power supply	
Power consumption	Built-in 60W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power

Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum front panel(OEM/Neutral)
Construction	1u chassis, Heavy duty metal
Dimensions (D x W x H)	430x295x44.5mm
Weight	9.6 kg

### Ordering Informations

<b>F19611-B2</b>	1u rackmount chassis, J1900 CPU, 6 x GbE RJ45, 2 channels bypass, 60W PSU
<b>F19611-B2P2</b>	1u rackmount chassis, J1900 CPU, 6 x GbE RJ45, 2 channels bypass, 70W redundant PSU

### Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports NIC module LAN card based on Intel 82580EB controllers

# F19411

## Network appliance with Intel J1900 Processor, 4 GbE Lan Ports



### Features

- Onboard Intel Bay Trail J1900 Quad-core Processor, 2.0GHz, L2 Cache
- One 204-pin DDR3-L DIMM slots, up to 8 GB
- Four Intel PCIe GbE controllers, Optional two channels bypass
- One SATA interface and one mSATA interface
- Two USB3.0, One CF Typell
- One RJ45 for RS232 communication
- Optional one nic module adding 4 GbE network ports

### Specifications

Motherboard	
CPU	Onboard Intel Bay Trial J1900 Quad-core CPU
System memory	One 204-pin DDR3-L DIMM slots, up to 8GB
Storage	
Interface	One SATA and one mSATA connectors
Hard Drive	One 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Four 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Four Intel PCIe GbE controllers
BYPASS	Optional 2 channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Reset Button	One built-in reset button
Indicator	One Power LED, one HDD LED
Video	Built-in one VGA interface, support hot plug(Internal)
Power supply	
Power consumption	Built-in 60W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power

Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	1u chassis, Heavy duty metal
Dimensions (D x W x H)	430x295x44.5mm
Weight	9.3 kg

### Ordering Informations

<b>F19411-B2</b>	1u rackmount chassis, J1900 CPU, 4 x GbE RJ45, 60W PSU
<b>F19411-B2P2</b>	1u rackmount chassis, J1900 CPU, 4 x GbE RJ45, 70W redundant PSU

# F19401

## Desktop Network appliance with 4 GbE Lan Ports



### Features

- x86 desktop network appliance, small chassis
- Onboard Intel Bay Trail J1900 Quad-core Processor, 2.0GHz, L2 Cache
- One 204-pin DDR3-L DIMM slots, up to 8 GB
- Four Intel PCIe GbE controllers, Optional one channel bypass
- One SATA interface and one mSATA interface
- Two USB3.0 interfaces, one RJ45 for RS232 communication
- Optional one expansion wifi or 3G/4G module

### Specifications

Motherboard	
CPU	Onboard Intel Bay Trail J1900 Quad-core CPU
System memory	One 204-pin DDR3-L DIMM slots, up to 8GB
Storage	
Interface	One SATA and one mSATA connectors
Hard Drive	One 2.5" HDD tray
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Optional one channels BYPASS
Wireless module	Optional one expansion wifi or 3G/4G module(built-in a SIM slot)
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Reset Button	One built-in reset button
Indicator	One Power LED, one HDD LED
Video	Built-in one VGA interface, support hot plug(Internal)
Power supply	
Power consumption	Built-in 60W power supply
Power input	100 ~ 240V AC input

Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Blue or OEM
Front panel	Silver PVC(OEM/Neutral)
Construction	Desktop chassis, Heavy duty metal
Dimensions (D x W x H)	300x210x44.5mm
Weight	5.8 kg

### Ordering Informations

<b>F19401</b>	1Desktop network appliance, J1900 CPU, 4 x GbE RJ45, 60W PSU
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### Optional Nic Modules

<b>83S5</b>	4-ports 100M NIC module lan card supports mirror/switch mode
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# F19613

## Fanless Network appliance with Intel J1900 CPU



### Features

- Fanless design network appliance
- Onboard Intel Bay Trial J1900 Quad-core Processor, 2.0GHz, L2 Cache
- One 204-pin DDR3-L DIMM slots, up to 8 GB
- Six Intel PCIe GbE controllers, support two channels bypass
- One SATA interface and one mSATA interface
- Two USB3.0, One CF TypeII
- One RJ45 for RS232 communication
- Optional one nic module adding 4 GbE network ports

### Specifications

Motherboard	
CPU	Onboard Intel Bay Trial J1900 Quad-core CPU
System memory	One 204-pin DDR3-L DIMM slots, up to 8GB
Storage	
Interface	One SATA and one mSATA connectors
Hard Drive	One 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	2 channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Reset Button	One built-in reset button
Indicator	One Power LED, one HDD LED
Video	Built-in one VGA interface, support hot plug(Internal)
Power supply	
Power consumption	Built-in 60W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power

Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	1u chassis, Heavy duty metal
Dimensions (D x W x H)	430x295x44.5mm
Weight	9.6 kg

### Ordering Informations

<b>F19613-B2</b>	Fanless network appliance, J1900 CPU, 6 x GbE RJ45, 2 channels bypass, 60W PSU
<b>F19613-B2P2</b>	Fanless network appliance, J1900 CPU, 6 x GbE RJ45, 2 channels bypass, 70W redundant PSU

### Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports NIC module LAN card based on Intel 82580EB controllers

# F61611

1u network security appliance based on H61 chipset



## Features

- Supports Intel LGA1155 Socket i3/i5/i7 Core or Pentium processor
- Intel H61 chipset
- Two 240-pin 1333/1600MHz DDR3 DIMM slots, up to 16 GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Two SATA2.0 interface
- Supports USB, CF Typell, COM

## Specifications

Motherboard	
CPU	Support Intel LGA1155 Socket i3/i5/i7 Core or Pentium processor
Chipset	Intel H61
System memory	Two DDR3 slots, up to 16GB
Storage	
Interface	Two SATA2.0 connectors
Hard Drive	Two 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator LED for RJ-45 with LAN link, active, speed, BYPASS
System I/O	
USB	Two USB2.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	

Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	1u chassis, Heavy duty metal
Dimensions (D x W x H)	450x430x44.5mm
Weight	12.8 kg

## Ordering Informations

<b>F61611-B2</b>	1u rackmount chassis, H61 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F61611-B2P2</b>	1u rackmount chassis, H61 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

## Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass



# F61621

## 2u network security appliance based on H61 chipset



### Features

- Supports Intel LGA1155 Socket i3/i5/i7 Core or Pentium processor
- Intel H61 chipset
- Two 240-pin 1333/1600MHz DDR3 DIMM slots, up to 16 GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Two SATA2.0 interface
- Supports USB, CF Typell, COM

### Specifications

Motherboard	
CPU	Support Intel LGA1155 Socket i3/i5/i7 Core or Pentium processor
Chipset	Intel H61
System memory	Two DDR3 slots, up to 16GB
Storage	
Interface	Two SATA2.0 connectors
Hard Drive	Two 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator LED for RJ-45 with LAN link, active, speed, BYPASS
System I/O	
USB	Two USB2.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	

Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	2u chassis, Heavy duty metal
Dimensions (D x W x H)	500x440x88mm
Weight	15.7 kg

### Ordering Informations

<b>F61621-B2</b>	2u rackmount chassis, H61 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F61611-B2P2</b>	2u rackmount chassis, H61 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

### Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass



# F20611

1u network security appliance based on C206 chipset



## Features

- Supports Intel Gen2/Gen3 Xeon E3-1200 or i3/i5/i7 Core processor
- Intel C206 chipset
- Four 240-pin 1333/1600MHz DDR3 DIMM slots, up to 32 GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Three SATA2.0 and one SATA3.0 interface,
- Supports one 3.5/2.5" HDD trays
- Supports USB2.0, CF Typell, COM

## Specifications

Motherboard	
CPU	Support Intel Gen2/Gen3 Xeon E3-1200 or i3/i5/i7 Core processor
Chipset	Intel C206
System memory	Four DDR3 slots, up to 32GB
Storage	
Interface	Two SATA2.0 and one SATA3.0 connectors
Hard Drive	Supports one 3.5/2.5" HDD tray
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB2.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16 and one PCIe4
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C

Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing

Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	1u chassis, Heavy duty metal
Dimensions (D x W x H)	450x430x44.5mm
Weight	12.8 kg

## Ordering Informations

<b>F20611-B2</b>	1u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F20611-B2P2</b>	1u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

## Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC moudel Lan card based on Intel 82580EB controllers
<b>58N8</b>	8 GbE RJ-45 LAN ports NIC moudel Lan card based on Intel 82580EB controllers
<b>58F8</b>	8 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC moudel Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC moudel Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC moudel Lan card based on Intel 82599ES controllers, with one channel Bypass

# F20621

## 2u network security appliance based on C206 chipset



### Features

- Supports Intel Gen2/Gen3 Xeon E3-1200 or i3/i5/i7 Core processor
- Intel C206 chipset
- Four 240-pin 1333/1600MHz DDR3 DIMM slots, up to 32 GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Three SATA2.0 and one SATA3.0 interface,
- Supports two 3.5/2.5" HDD trays
- Supports USB2.0, CF Typell, COM

### Specifications

Motherboard	
CPU	Support Intel Gen2/Gen3 Xeon E3-1200 or i3/i5/i7 Core processor
Chipset	Intel C206
System memory	Four DDR3 slots, up to 32GB
Storage	
Interface	Two SATA2.0 and one SATA3.0 connectors
Hard Drive	Supports one 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB2.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16 and one PCIe4
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C

Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing

Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	2u chassis, Heavy duty metal
Dimensions (D x W x H)	500x440x88mm
Weight	16.7 kg

### Ordering Informations

<b>F20621-B2</b>	2u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F20621-B2P2</b>	2u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

### Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58N8</b>	8 GbE RJ-45 LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58F8</b>	8 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass

# F11611

1u network security appliance based on H110 chipset



## Features

- Supports Intel Gen6/Gen7 i3/i5/i7 Core, Pentium or Celeron processor
- Intel H110 chipset
- Two 2133/2400MHz DDR4 slots, up to 32GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Two SATA3.0 6Gb/s interface
- Supports USB3.0, mSATA, COM, CF Typell

## Specifications

Motherboard	
CPU	Supports Intel Gen6/Gen7 i3/i5/i7 Core, Pentium or Celeron CPU
Chipset	Intel H110
System memory	Two 2133/2400MHz DDR4 slots, up to 32GB
Storage	
Interface	Two SATA3.0 connectors and one mSATA slot
Hard Drive	Two 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	
Mounting	Supports rack-mounting or desktop-mounting

Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing

Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	1u chassis, Heavy duty metal
Dimensions (D x W x H)	450x430x44.5mm
Weight	12.8 kg

## Ordering Informations

<b>F11611-B2</b>	1u rackmount chassis, H110 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F11611-B2P2</b>	1u rackmount chassis, H110 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

## Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass

# F11621

## 2u network security appliance based on H110 chipset



### Features

- Supports Intel Gen6/Gen7 i3/i5/i7 Core, Pentium or Celeron processor
- Intel H110 chipset
- Two 2133/2400MHz DDR4 slots, up to 32GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Two SATA3.0 6Gb/s interface
- Supports USB3.0, mSATA, COM, CF Typell

### Specifications

Motherboard	
CPU	Supports Intel Gen6/Gen7 i3/i5/i7 Core, Pentium or Celeron CPU
Chipset	Intel H110
System memory	Two 2133/2400MHz DDR4 slots, up to 32GB
Storage	
Interface	Two SATA3.0 connectors and one mSATA slot
Hard Drive	Two 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	
Mounting	Supports rack-mounting or desktop-mounting

Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing

Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	2u chassis, Heavy duty metal
Dimensions (D x W x H)	500x440x88mm
Weight	16.6 kg

### Ordering Informations

<b>F11621-B2</b>	2u rackmount chassis, H110 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F11621-B2P2</b>	2u rackmount chassis, H110 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

### Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass

# F23611

1u network appliance, C236 chipset, 6 Rj45 GbE



## Features

- Supports Intel Gen6/Gen7 Xeon E3-1200, i3/i5/i7 Core, Pentium processor
- Intel C236 chipset
- Two 2133/2400MHz DDR4 slots, up to 32GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Three SATA3.0 6Gb/s interface
- Supports USB3.0, mSATA, COM, CF Typell

## Specifications

Motherboard	
CPU	Supports Intel Gen6/Gen7 Xeon E3-1200 i3/i5/i7 Core, Pentium processor
Chipset	Intel C236
System memory	Two 2133/2400MHz DDR4 slots, up to 32GB
Storage	
Interface	Two SATA3.0 connectors and one mSATA slot
Hard Drive	Supports two 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C

Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	1u chassis, Heavy duty metal
Dimensions (D x W x H)	450x430x44.5mm
Weight	12.8 kg

## Ordering Informations

<b>F23611-B2</b>	1u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F23611-B2P2</b>	1u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

## Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58N8</b>	8 GbE RJ-45 LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58F8</b>	8 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass
<b>71W4</b>	4 10G SFP based on Intel XL710 controllers

# F23621

2u network appliance, C236 chipset, 6 RJ45 GbE



## Features

- Supports Intel Gen6/Gen7 Xeon E3-1200, i3/i5/i7 Core, Pentium processor
- Intel C236 chipset
- Two 2133/2400MHz DDR4 slots, up to 32GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Three SATA3.0 6Gb/s interface
- Supports USB3.0, mSATA, COM, CF Typell

## Specifications

Motherboard	
CPU	Supports Intel Gen6/Gen7 Xeon E3-1200 i3/i5/i7 Core, Pentium processor
Chipset	Intel C236
System memory	Two 2133/2400MHz DDR4 slots, up to 32GB
Storage	
Interface	Two SATA3.0 connectors and one mSATA slot
Hard Drive	Supports four 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C

Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	2u chassis, Heavy duty metal
Dimensions (D x W x H)	500x440x88mm
Weight	16,6 kg

## Ordering Informations

<b>F23621-B2</b>	2u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F23621-B2P2</b>	2u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

## Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58N8</b>	8 GbE RJ-45 LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58F8</b>	8 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass
<b>71W4</b>	4 10G SFP based on Intel XL710 controllers



# F23622

1u network appliance, C236 chipset, Max 22 GbE ports



## Features

- Supports Skylake Intel LGA1151 Socket Gen6/Gen7 Xeon E3-1200, Gen 6th i3 i5 i7 Core, Pentium processor
- Intel C236 chipset
- Two dual-channel 2133/2400MHz DDR4 slots, up to 32 GB
- Six Intel PCIe GbE controllers for six network ports
- Three SATA3.0 6Gb/s and one mSATA
- Supports USB3.0, COM, CF Typell
- Two PCIe3.0x8 slots for nic modules

## Specifications

Motherboard	
CPU	Supports Intel LGA1151 Socket Gen6/Gen7 Xeon E3-1200, or i3/i5/i7 Core, Pentium processor
Chipset	Intel HC236
System memory	Two 2133/2400MHz DDR4 slots, up to 32GB
Storage	
Interface	Three SATA3.0 connector and one mSATA slot
Hard Drive	Supports four 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	Two PCIe3.0x8 for LAN cards and one PCIe4
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C

Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	2u chassis, Heavy duty metal
Dimensions (D x W x H)	500x440x88mm
Weight	17.8 kg

## Ordering Informations

<b>F23622-B2</b>	2u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 250W PSU
<b>F23622-B2P2</b>	2u rackmount chassis, C236 Chipset, 6 x GbE RJ45, 2 channels bypass, 350W redundant PSU

## Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58N8</b>	8 GbE RJ-45 LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58F8</b>	8 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>35NF4</b>	4 GbE RJ-45 and 4GBE SFP LAN ports NIC module Lan card based on Intel I350 controllers
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass
<b>71W4</b>	4 10G SFP based on Intel XL710 controllers



# F23224

2u network appliance, C236 chipset, 4 NIC for max 32 GbE



## Features

- Supports Gen6/Gen7 Xeon E3-1200 series or 13/i5/i7 processors
- Intel C236 chipset
- Four dual channels 2133/2400MHz DDR4 slots, up to 64 GB
- Two GbE Console ports, support four NIC modules up to 32 GbEs
- Three SATA3.0 6Gb/s, support RAID 0, 1, 5, 10
- Supports USB3.0, mSATA, COM, CF Typell

## Specifications

Motherboard	
CPU	Supports Gen6/Gen7 Xeon E3-1200 series or 13/i5/i7 processors
Chipset	Intel C236
BIOS	UEFI BIOS
System memory	Four dual-channels DDR4 ram slots, up to 64GB
Storage	
Interface	Three SATA3.0 connectors support RAID 0, 1, 5, 10, One mSATA slot
Hard Drive	Two 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Two 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Two Intel PCIe controllers
Indicator	Indicator LED for LAN link, active, speed
System I/O	
Two USB3.0	Two USB3.0
Internal with four USB2.0 and two USB3.0	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Watchdog Timer	Software programmable supports 1~255sec System reset
Expansion	Four PCIex8 for 4 expansion lan cards and one built-in PCIe4
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power
Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C

Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing

Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	2u chassis, Heavy duty metal
Dimensions (D x W x H)	550x440x88mm
Weight	18.3 kg

## Ordering Informations

<b>F23224</b>	2u rackmount chassis, C236 Chipset, 2 GbE ports, 4 nic slots, 300W PSU
<b>F23224-P2</b>	2u rackmount chassis, C236 Chipset, 2 GbE ports, 4 nic slots, 350W redundant PSU

## Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GbE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GbE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58N8</b>	8 GbE RJ-45 LAN ports NIC module Lan card based on Intel 82580EB controllers
<b>58F8</b>	8 GbE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58B2</b>	2 GbE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>35NF4</b>	4 GbE RJ-45 and 4GbE SFP LAN ports NIC module Lan card based on Intel I350 controllers
<b>59W2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers
<b>59B2</b>	2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass
<b>71W4</b>	4 10G SFP based on Intel XL710 controllers

# F19628

## 2u Network GAP appliance, Dual system with J1900 CPU



### Features

- Onboard Intel Bay Trail J1900 Quad-core Processor, 2.0GHz, L2 Cache
- One 204-pin DDR3-L DIMM slots, up to 8 GB
- Six Intel PCIe GbE controllers, support two channels bypass
- One SATA interface and one mSATA interface
- Two USB3.0, One CF Typell
- One RJ45 for RS232 communication
- Optional one nic module adding 4 GbE network ports

### Specifications

Motherboard	
CPU	Onboard Intel Bay Trail J1900 Quad-core CPU
System memory	One 204-pin DDR3-L DIMM slots, up to 8GB
Storage	
Interface	One SATA and one mSATA connectors
Hard Drive	One 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	2 channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB3.0
COM	One RJ-45 COM
Reset Button	One built-in reset button
Indicator	One Power LED, one HDD LED
Video	Built-in one VGA interface, support hot plug(Internal)
Power supply	
Power consumption	Built-in 60W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power

Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum front panel(OEM/Neutral)
Construction	2u chassis, Heavy duty metal
Dimensions (D x W x H)	430x295x88 mm
Weight	16.6 kg

### Ordering Informations

<b>F19628</b>	2u GAP appliances, dual system, each system with one J1900 cpu, six GbE, two channels bypass and one PSU.
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### Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports NIC module LAN card based on Intel 82580EB controllers

# F20628

2u Network GAP appliance, Dual system base on C206 chipset



## Features

- Supports Intel Gen2/Gen3 Xeon E3-1200 or i3/i5/i7 Core processor
- Intel C206 chipset
- Four 240-pin 1333/1600MHz DDR3 DIMM slots, up to 32 GB
- Six Intel PCIe GbE controllers, support two channels bypass
- Three SATA2.0 and one SATA3.0 interface,
- Supports two 3.5/2.5" HDD trays
- Supports USB2.0, CF Typell, COM

## Specifications

Motherboard	
CPU	Support Intel Gen2/Gen3 Xeon E3-1200 or i3/i5/i7 Core processor
Chipset	Intel C206
System memory	Four DDR3 slots, up to 32GB
Storage	
Interface	Two SATA2.0 and one SATA3.0 connectors
Hard Drive	Supports one 3.5/2.5" HDD trays
CF slot	One CFII slot
Ethernet	
LAN Port	Six 10/100/1000Mbps RJ-45 ports
Ethernet Controller	Six Intel PCIe GbE controllers
BYPASS	Two channels BYPASS
Indicator	Indicator RJ-45 with LAN link, active, speed LED, built-in BYPASS function LED
System I/O	
USB	Two USB2.0
COM	One RJ-45 COM
Indicator	One Power LED, one HDD LED
LCM module	Optional 2x16 characters LCM display module
Video	Built-in one VGA interface, support hot plug(Internal)
Expansion	One PCIe16 and one PCIe4
Power supply	
Power consumption	Built-in 250W power supply
Power input	100 ~ 240V AC input
Optional	DC power or Redundant power

Environments	
Mounting	Supports rack-mounting or desktop-mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing
Mechanical	
Chassis Color	Black or OEM
Front panel	Silver PVC/Aluminum font panel(OEM/Neutral)
Construction	2u chassis, Heavy duty metal
Dimensions (D x W x H)	500x440x88mm
Weight	17.5 kg

## Ordering Informations

<b>F20628</b>	2u GAP appliances, dual system, each system with one motherboard, six GbE, two channels bypass and one PSU.
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## Optional Nic Modules

<b>35N4</b>	4 GbE RJ-45 LAN ports NIC module Lan card based on Intel I350 controllers
<b>58F4</b>	4 GBE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers
<b>58NF2</b>	2 GbE RJ-45 and 2GBE SFP LAN ports NIC moudel Lan card based on Intel 82580EB controllers
<b>58B2</b>	2 GBE SFP LAN ports NIC moudel Lan card based on Intel 82580DB controllers, with one channel Bypass
<b>59W2</b>	2 10G SFP LAN ports NIC moudel Lan card based on Intel 82599ES controllers

# NIC Modules

## 83S5 4-ports GBE switch LAN card supports mirror/switch mode



- 4-ports GBE switch LAN card, supports mirror/switch mode.
- Supports Max 9KB packet Jumbo Frame.
- 2048 MAC address, 4096 VLANs tables, 32 ACL rules table
- Supports VLAN's QOS mapping and remapping, forward control
- Supports hardware IGMP join and fast leave
- Supports MAC and PHY Loopback function
- Supports physical-layer auto-aross, polarity identification and autoadaptation, and hot-plug.
- Supports ports' mirror and switch mode
- Supports Windows, RedHat, SuSE Linux, Ubuntu, FreeBSD OS

## 58N4 4 GbE RJ-45 LAN ports NIC module Lan card based on Intel 82580EB controllers



- Four RJ-45 GbE ports NIC based on Intel 82580EB ethernet controllers
- Supports 2 channels of lan bypass
- Intel® I/O interface 3.0 version acceleration technology
- Supports 9.5KB packet Jumbo Frame
- Supports VMDQ1, Max 8 virtual-hosts each port
- DCA Directly access with high speed cache
- UDP, TCP and IP Checksum offload, UDP and TCP Transmit Segmentation Offload (TSO), SCTP receive and transmit checksum offload
- Supports low-power management in network non-working state
- Supports Windows, RedHat and SuSE Linux, Ubuntu, FreeBSD OS

## 58F4 4 GbE SFP LAN ports Nic module LAN card based on Intel 82580EB controllers



- Four SFP GbE ports NIC based on Intel 82580EB ethernet controllers
- Intel® I/O interface 3.0 version acceleration technology
- Supports 9.5KB packet Jumbo Frame
- Supports VMDQ1, Max 8 virtual-hosts each port
- DCA Directly access with high speed cache
- UDP, TCP and IP Checksum offload, UDP and TCP Transmit Segmentation Offload (TSO), SCTP receive and transmit checksum offload
- Supports low-power management in network non-working state
- Supports Windows, RedHat and SuSE Linux, Ubuntu, FreeBSD OS

## 58NF2 2 GbE RJ-45 and 2GbE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers



- Model:58NF2 2 GbE RJ-45 and 2GbE SFP LAN ports NIC module Lan card based on Intel 82580EB controllers
- Two SFP and two RJ45 GbE ports NIC based on Intel 82580EB ethernet controllers
- Intel® I/O interface 3.0 version acceleration technology
- Supports 9.5KB packet Jumbo Frame
- Supports VMDQ1, Max 8 virtual-hosts each port
- DCA Directly access with high speed cache
- UDP, TCP and IP Checksum offload, UDP and TCP Transmit Segmentation Offload (TSO), SCTP receive and transmit checksum offload
- Supports low-power management in network non-working state
- Supports Windows, Linux, Ubuntu, FreeBSD OS

## 58N8 8 GbE RJ-45 LAN ports NIC module Lan card based on Intel 82580EB controllers



- Eight RJ45 GbE ports NIC based on Intel 82580EB ethernet controllers
- Intel® I/O interface 3.0 version acceleration technology
- Supports 9.5KB packet Jumbo Frame
- Supports VMDQ1, Max 8 virtual-hosts each port
- DCA Directly access with high speed cache
- UDP, TCP and IP Checksum offload, UDP and TCP Transmit Segmentation Offload (TSO), SCTP receive and transmit checksum offload
- Supports low-power management in network non-working state
- Supports Windows, Linux, Ubuntu, FreeBSD OS

## 58F8 8 GbE SFP LAN ports NIC module LAN card based on Intel 82580EB controllers



- Eight SFP GbE ports NIC based on Intel 82580EB ethernet controllers
- Intel® I/O interface 3.0 version acceleration technology
- Supports 9.5KB packet Jumbo Frame
- Supports VMDQ1, Max 8 virtual-hosts each port
- DCA Directly access with high speed cache
- UDP, TCP and IP Checksum offload, UDP and TCP Transmit Segmentation Offload (TSO), SCTP receive and transmit checksum offload
- Supports low-power management in network non-working state
- Supports Windows, Linux, Ubuntu, FreeBSD OS

# NIC Modules

## 59W2 2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers



- Intel® 82599ES 10Gb ethernet controller, two SFP 10Gb ports, PCIe8 bus
- Intel® I/O interface 3.0 version acceleration technology
- Supports 15.5KB packet Jumbo Frame, supports faster and higher throughput
- Supports VMDq, 64 virtual hosts each port
- DCA Directly access with high speed cache, Dynamic interrupt moderation
- Supports IP/TCP and IP/UDP receive checksum offload, Fragmented UDP checksum offload for packet reassembly, TCP Timer interrupts
- Supports Data Center Bridging (DCB), Supports MSI and IPV6
- Supports Windows, Linux, RedHat, Ubuntu, FreeBSD OS

## 58B2 2 GBE SFP LAN ports NIC module Lan card based on Intel 82580DB controllers, with one channel Bypass



- Intel 82599DB GbE controllers, two SFP ports, PCIe4 bus
- One optical bypass, with LED indicator for modes of Active/Link and Bypass
- Intel I/O interface 3.0 version acceleration technology
- Supports 9.5KB packet Jumbo Frame, supports faster and higher throughput
- Supports VMDq1, MAX 8 virtual hosts each port
- DCA Directly access with high speed cache
- Supports IP/TCP and IP/UDP receive checksum offload, Fragmented UDP checksum offload for packet reassembly, TCP Timer interrupts
- Supports Windows, Linux, RedHat, Ubuntu, FreeBSD OS

## 59B2 2 10G SFP LAN ports NIC module Lan card based on Intel 82599ES controllers, with one channel Bypass



- Intel 82599ES 10G ethernet controllers, two SFP ports, PCIe8 bus
- One optical bypass, with LED indicator for modes of Active/Link and Bypass
- Intel I/O interface 3.0 version acceleration technology
- Supports 15.5KB packet Jumbo Frame, supports faster and higher throughput
- Supports VMDq, MAX 64 virtual hosts each port
- DCA Directly access with high speed cache
- Supports IP/TCP and IP/UDP receive checksum offload, Fragmented UDP checksum offload for packet reassembly, TCP Timer interrupts
- Supports data-center-base(DCB) bridging, Supports MSI and IPV6
- Supports Windows, Linux, RedHat, Ubuntu, FreeBSD OS

## 35NF4 4 GbE RJ-45 and 4GBE SFP LAN ports NIC module Lan card based on Intel I350 controllers



- Four SFP and four RJ45 GbE ports NIC based on Intel I350 ethernet controllers
- Intel® I/O interface 3.0 version acceleration technology
- Supports 9.5KB packet Jumbo Frame
- Supports VMDQ1, Max 8 virtual-hosts each port
- DCA Directly access with high speed cache
- UDP, TCP and IP Checksum offload, UDP and TCP Transmit Segmentation Offload (TSO), SCTP receive and transmit checksum offload
- Supports Windows, Linux, Ubuntu, FreeBSD OS

## 71W4 4 10G SFP based on Intel XL710 controllers



- Intel XL710 ethernet controllers, Four SFP+ 10G SFP ports, PCIe3.0x8 bus
- Network virtualization intelligent offload and acceleration, include VXLAN:NVGRE:VEPA:VEB:supports 128 each device.
- Provides single and unified network solution for LAN network,NAS(SMB,NFS) and SAN(ISCsi, FCoE)
- Provides hardware application EFD Intel ethernet flow director
- Uses Intel DPDK software optimization, to achieve superior packet performance, FCoE CRC offload
- Supports Data Center Bridging (DCB), Supports MSI and IPV6
- Supports Windows, Linux, FreeBSD OS

## 71Q2 71Q2 2 40G SFP based on Intel XL710 controllers



- Intel XL710 ethernet controllers, two QSFP+ 40G SFP ports, PCIe3.0x8 bus
- Network virtualization intelligent offload and acceleration, include VXLAN:NVGRE:VEPA:VEB:supports 128 each device.
- Provides single and unified network solution for LAN network,NAS(SMB,NFS) and SAN(ISCsi, FCoE)
- Provides hardware application EFD Intel ethernet flow director
- Uses Intel DPDK software optimization, to achieve superior packet performance, FCoE CRC offload
- Supports Data Center Bridging (DCB), Supports MSI and IPV6
- Supports Windows, Linux, FreeBSD OS