



TOO «NAG KAZAKHSTAN»  
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## Модуль Cisco Catalyst WS-X4748-12X48U+E

WS-X4748-12X48U+E

### Описание

#### Технические характеристики

|                                |                                                                            |
|--------------------------------|----------------------------------------------------------------------------|
| Количество портов              | 48                                                                         |
| Тип портов                     | 12 x 10/100/1000/2.5/5G/10G Base-T и 36 10/100/1000 Base-T                 |
| Производительность             | Per-slot switching capacity : 24 Gbps                                      |
| Питание Power over Ethernet    | 802.3at (до 30W одновременно на 48 портов), 802.3af, Cisco Prestandart PoE |
| Совместимый управляющий модуль | Supervisor Engine 7-E<br>Supervisor Engine 7L-E<br>Supervisor Engine 8     |
| Поддерживаемые шасси           | 4507R+E, 4510R+E                                                           |

#### Port Information for Line Cards

| Line Card                               | Number of Ports | Port Speed | Port Type   | Wire Rate          | Cisco Catalyst 4500 Series Min/Max Ports |                                |                     |  |
|-----------------------------------------|-----------------|------------|-------------|--------------------|------------------------------------------|--------------------------------|---------------------|--|
|                                         |                 |            |             |                    | 4503-E                                   | 4506-E/<br>4507R-E/<br>4507R+E | 4510R-E/<br>4510R+E |  |
| E-Series 10 Gigabit Ethernet Line Cards |                 |            |             |                    |                                          |                                |                     |  |
| WS-X4712-SFP+E                          | 12              | 10GBASE-X  | SFP+ or SFP | 2.5-to-1 with SFP+ | 12/24                                    | 12/605                         | 12/965              |  |



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|                                          |                             |             |                                                          |                                  |                 |                 |                 |
|------------------------------------------|-----------------------------|-------------|----------------------------------------------------------|----------------------------------|-----------------|-----------------|-----------------|
|                                          |                             |             |                                                          | 1:1 with SFP                     |                 |                 |                 |
| WS-X4606-X2-E                            | 6                           | 10GBASE-X   | X2 or SFP with TwinGig Converter Module                  | 2.5-to-1 with X2<br>1:1 with SFP | 6/125<br>12/245 | 6/305<br>12/605 | 6/305<br>12/605 |
| E-Series 10/100/1000 Line Cards          |                             |             |                                                          |                                  |                 |                 |                 |
| WS-X4748-UPOE+E                          | 48                          | 10/100/1000 | RJ-45 UPOE IEEE 802.3at, IEEE 802.3af, Cisco prestandard | 1:1                              | 48/965          | 48/2405         | 48/3845         |
| WS-X4748-RJ45V+E                         | 48                          | 10/100/1000 | RJ-45 PoE IEEE 802.3at, IEEE 802.3af, Cisco prestandard  | 1:1                              | 48/965          | 48/2405         | 48/3845         |
| WS-X4748-RJ45-E                          | 48                          | 10/100/1000 | RJ-45                                                    | 1:1                              | 48/965          | 48/2405         | 48/3845         |
| WS-X4648-RJ45V+E                         | 48                          | 10/100/1000 | RJ-45 PoE IEEE 802.3at, IEEE 802.3af, Cisco prestandard  | 2-to-1                           | 48/965          | 48/2405         | 48/3845,6       |
| WS-X4648-RJ45V-E                         | 48                          | 10/100/1000 | RJ-45 PoE IEEE 802.3af, Cisco prestandard                | 2-to-1                           | 48/965          | 48/2405         | 48/3845,6       |
| WS-X4648-RJ45-E                          | 48                          | 10/100/1000 | RJ-45                                                    | 2-to-1                           | 48/965          | 48/2405         | 48/3845,6       |
| E-Series Gigabit Ethernet SFP Line Cards |                             |             |                                                          |                                  |                 |                 |                 |
| WS-X4624-SFP-E                           | 24                          | 1000        | Pluggables                                               | 1:1                              | 24/48           | 24/120          | 24/168          |
| WS-X4612-SFP-E                           | 12                          | 1000        | Pluggables                                               | 1:1                              | 12/28           | 12/64           | 12/100          |
| WS-X4640-CSFP-E                          | 40 with SFP<br>80 with CSFP | 1000        | Pluggables                                               | 2:1 with SFP<br>4:1 with CSFP    | 40/160          | 40/400          | Not supported   |
| Classic 10/100/1000 Line Cards           |                             |             |                                                          |                                  |                 |                 |                 |
| WS-X4548-RJ45V+                          | 48                          | 10/100/1000 | RJ-45 PoE IEEE 802.3at, IEEE 802.3af, Cisco prestandard  | 8-to-1                           | 48/96           | 48/240          | 48/384          |
| WS-X4548-GB-RJ45V                        | 48                          | 10/100/1000 | RJ-45 PoE IEEE 802.3af and Cisco prestandard             | 8-to-1                           | 48/96           | 48/240          | 48/384          |



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|---------------------------------------------------------|-------|-------------|---------------------------------------------------------------|---------------------------------|-------|--------|--------|
| WS-X4524-GB-RJ45V                                       | 24    | 10/100/1000 | RJ-45 PoE IEEE 802.3af and Cisco prestandard                  | 4-to-1                          | 24/48 | 24/120 | 24/168 |
| WS-X4548-GB-RJ45                                        | 48    | 10/100/1000 | RJ-45                                                         | 8-to-1                          | 48/96 | 48/240 | 48/384 |
| Classic Gigabit Ethernet Fiber (GBIC or SFP) Line Cards |       |             |                                                               |                                 |       |        |        |
| WS-X4306-GB                                             | 6     | 1000BASE-X  | GBIC                                                          | Yes                             | 6/12  | 6/30   | 6/42   |
| WS-X4418-GB                                             | 18    | 1000BASE-X  | GBIC                                                          | 2 ports full<br>16 ports 4-to-1 | 18/36 | 18/90  | 18/126 |
| WS-X4448-GB-LX                                          | 48    | 1000BASE-LX | 48 SFPs (included)                                            | 8-to-1                          | 48/96 | 48/240 | 48/384 |
| WS-X4448-GB-SFP                                         | 48    | 1000BASE-X  | SFP                                                           | 8-to-1                          | 48/96 | 48/240 | 48/384 |
| WS-X4506-GB-T                                           | 6 + 6 | 10/100/1000 | 1000BASE-X (SFP) RJ-45 PoE IEEE 802.3af and Cisco prestandard | Yes                             | 6/12  | 6/30   | 6/42   |
| Classic Fast Ethernet Fiber Line Cards                  |       |             |                                                               |                                 |       |        |        |
| WS-X4248-FE-SFP                                         | 48    | 100BASE-X   | SFP                                                           | Yes                             | 48/96 | 48/240 | 48/384 |
| Classic 10/100 Ethernet Line Cards                      |       |             |                                                               |                                 |       |        |        |
| WS-X4148-RJ                                             | 48    | 10/100      | RJ-45                                                         | Yes                             | 48/96 | 48/240 | 48/384 |
| WS-X4248-RJ45V                                          | 48    | 10/100      | RJ-45 PoE IEEE 802.3af and Cisco prestandard                  | Yes                             | 48/96 | 48/240 | 48/384 |

## Общие

Тип устройства

Карты расширения

Линейка Cisco

Catalyst 4500, 4500-E

Производительность модульного коммутатора, Gbps

48



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Совместимая платформа

Шасси WS-C4503-E  
Шасси WS-C4506-E  
Шасси WS-C4507R+E  
Шасси WS-C4510R+E

Поддерживаемый тип интерфейсов модульного коммутатора

Интерфейсы 10/100/1000BaseT

Совместимость с управляющими модулями

WS-X45-SUP8L-E  
WS-X45-SUP7-E  
WS-X45-SUP7L-E  
WS-X45-SUP8-E