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## VERIFIED PRODUCT DATASHEET

# N2K-C2248TF-E

Cisco Network Hardware Specification, Availability and Quote Reference

<b>Product Model</b>	<b>N2K-C2248TF-E</b>
<b>Document Type</b>	<b>Product Datasheet</b>
<b>Condition</b>	<b>Brand New, Original and Verified</b>
<b>Supplier</b>	<b>Layer23-Switch.com</b>

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## N2K-C2248TF-E Datasheet

The Cisco N2K-C2248TF-E datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the N2K-C2248TF-E and integrate it into enterprise or service provider networks with confidence.



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## Key Features

### Fabric Extender architecture for centralized Nexus operation

N2K-C2248TF-E extends a supported Cisco Nexus parent switch to the rack edge, allowing network teams to manage access ports from the parent switch instead of operating each rack device as a separate switch.

### 48-port 1G copper access for server racks

The 48 100/1000BASE-T host interfaces fit racks where connected devices still use copper 1G links, such as legacy servers, appliances, management interfaces, storage controllers, and infrastructure devices.

### Four 10G SFP+ fabric interfaces

The 4 x 10G SFP+ fabric ports connect the Fabric Extender back to the parent Nexus switch, giving engineers a predictable fabric-link design for access-layer extension.

### Bundle includes Fabric Extender Transceivers

Cisco lists N2K-C2248TF-E with eight Cisco Fabric Extender Transceivers included, which matters during procurement because the uplink media plan affects whether the deployment is ready to cable.

### Field-replaceable power and cooling components

The bundle includes two power supplies and one fan module, with airflow and power-supply type selected at ordering. This helps procurement teams match the FEX to rack power and cooling standards.

### Parent-controlled software handling

The Fabric Extender downloads and upgrades software from the parent switch, so compatibility checks should focus on the parent Nexus platform, NX-OS release, and supported FEX topology.

## Specification

Parameter	Details	Parameter	Details
<b>SKU</b>	N2K-C2248TF-E	<b>Product Type</b>	Cisco Nexus Fabric Extender
<b>Product Model</b>	Cisco Nexus 2248TP-E	<b>Host Interfaces</b>	48 x 100/1000BASE-T
<b>Fabric Interfaces</b>	4 x 10 Gigabit Ethernet SFP+	<b>Included Fabric Transceivers</b>	8 x Cisco Fabric Extender Transceivers
<b>Fabric Speed</b>	40 Gbps in each direction / 80 Gbps full duplex	<b>Hardware Forwarding</b>	176 Gbps / 131 Mpps
<b>Shared Buffer</b>	32 MB	<b>MAC Addresses</b>	32,000
<b>Form Factor</b>	1RU	<b>Power Supplies Included</b>	2
<b>Fan Modules Included</b>	1	<b>Airflow</b>	Port-side exhaust or port-side intake options
<b>Management Model</b>	Managed by Cisco Nexus parent switch	<b>Software Handling</b>	Downloaded and upgraded from the parent switch

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