

# X520 optical module identification



## Overview

Intel SFP+ is for the Dell systems - The Intel X520 card will only work with two Intel-specified SFP+ modules (listed below). No other modules will work with the X520 card. These are the model numbers for the SFPs. The Short Range Optic is what is usually shipped. For optical modules used on switches, we read their information via brand-specific terminal commands. Is there any way to identify which modules are installed either from GUI or CLI?

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I have a tech-support file of the server where the card is installed but it only. I am running 10 Gbit optical link on Intel X520 on Windows in home lab. Is there a way to achieve that?

Are there any. I was given this NIC, specifically the Startech version, and couldn't find a good list of compatible optics.



## Article Content

Hot

Intel® Ethernet Network Adapter X520-DA

ideal for slot-constrained environments. Intel Ethernet Network Adapter X520-DA2 supports both SR and LR optic modules and direct attach copper cables compliant with the SFP+ MSA SFF-8431

Jun 07, 2026 Hot

How to identify SFP installed on Intel X520

From the C220 documentation and several posts I've learned that X520 cards only support certain SFP modules but not the Cisco ones. Is there any way to identify which modules are

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Intel SFP+ transceivers require custom coding for X520/X710 NICs. Learn how to bypass OEM lockouts and ensure 100% stability with PHILISUN's

Feb 07, 2026 Hot

Re: SFP+ module of X520 cannot be identified

Hello JoeyTsai, Please let us know if you are still having issues with the SFP+ module in the X520. Provide the information requested above if possible. If you have any questions please do

Jul 14, 2025 Hot

Intel (R) Ethernet Server Adapter X520 Series:

Shows connectors and removing SFP+ modules on the new Intel (R) Ethernet Server Adapter X520 Series. Demonstrates that you can mix optical

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Intel X520-DA1 Datasheet

X520-DA1 500 Series network adapters are backward compatible with existing 1000BASE-T networks, simplifying the transition to 10Gb Ethernet when more bandwidth is needed.

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Support for Intel® Ethernet Server Adapter X520 Series

Support product highlights, featured content, downloads and more for Intel® Ethernet Server Adapter X520 Series

Aug 01, 2025 Hot

Intel X520-DA2 Optics Compatibility : r/homelab

I was given this NIC, specifically the Startech version, and couldn't find a good list of compatible optics. I'm hoping I can use a couple of the generic ones I have but wanted to check ahead of installing it.

Nov 30, 2025 Hot

Intel® Ethernet Network Daughter Card X520-DA2 and I350-T2

Simplify the Transition to 10GbE The new Intel® Ethernet Network Daughter Card X520/I350 offers the flexibility of direct-attach twinaxial cables or short/long range fiber optics in a single adapter. The

Apr 05, 2026 Hot

Solved: X520

For retail Intel® Ethernet Converged Network Adapter X520 Series, we do have a specific list of Compatible SFP+ Modules, SFP Modules, and Cables link below. Mentioned on the site, Other

Jul 10, 2025 Hot

X.520 : Information technology

Recently posted - Search Recommendations X.520 : Information technology - Open Systems Interconnection - The Directory: Selected attribute types

Aug 11, 2025 Hot

XCP-NG and Intel X520-DA2 10GBit card with non-Intel SFP

X570D4U, 5950X, 64GB, 2x1TB 970Pro, SMCSE-835TQC-R802B, RTX-A4000, X520-DA2 (Intel 82599) with V2tech SFP-10G-LR-X-AV2 module (CISCO Compatible, not intel). I have

Jul 07, 2025 Hot

Data Sheet Intel® X520-DA2 SFP+ LAN Adapte

X520-DA2 SFP+ LAN Adapter The new Intel® Ethernet X520 Server Adapter is the most flexible and scalable Ethernet adapter for today's demanding data center environments. The Intel®

Jan 11, 2026 Hot

Intel X520-SR2 Datasheet

Intel's family of Intel® Ethernet Server Adapters X520 with SFP+ connectivity are the most flexible and scalable Ethernet adapters for today's demanding data center environments. Data center networks

Feb 05, 2026 Hot

How To Read Optical Module Information On A Network Card In Linux ...

For optical modules used on switches, we read their information via brand-specific terminal commands. This guide introduces how to read optical module information when it is installed

Jun 29, 2026 Hot

ethtool -m in windows (SFP Digital Optical Monitoring

I plan to do some experiments with the fiber and it would be interesting to see SFP transceiver Digital Optical Monitoring (DOM) readings in windows, similar to ethtool -m in Linux.

Jan 01, 2026 Hot

Intel x520 EEPROM Patcher allows to unlock the x520 network card to ...

After pulling my hair out for an hour, swearing, crying, and banging my head for not having purchased "approved brand" SFP+ modules, I found some references to your "flippin" bit

Oct 13, 2025 Hot

Which 10G SFP+ Optics Are Compatible with Intel X520 Adapter?

Intel Ethernet SFP+ SR optics and Intel Ethernet SFP+ LR optics are the only 10 Gbps optical modules supported. Other brands of SFP+ modules are not allowed and can't be used with

Jul 17, 2025 Hot

INTEL X520 PRODUCT MANUAL Pdf Download

Figure 3 shows the Intel X520 Dual Port 10GbE SFP+ Embedded Adapter. This form factor is designed to fit into a special slot in selected servers (see Table 4),

Sep 15, 2025 Hot

## Intel® Ethernet SFP+ SR Optics and LR Optics

To ensure maximum flexibility, Intel supports the ability to mix any combination of the SFP+ optical modules, direct attach copper cables, or 1000BASE-T SFP modules on the Intel Ethernet X520

Nov 17, 2025 Hot

## SFP+ Modules and Cables Compatible with Intel®

SFP+ optical module, SFP module, and direct attach cable requirements for the Intel® Ethernet Converged Network Adapter X520 Series.

Jun 24, 2026 Hot

## Intel® Ethernet Converged Network Adapter X520

Overview Intel's family of adapters, the Intel® Ethernet Converged Network Adapter X520 with SFP+ connectivity, are the most flexible and scalable Ethernet adapters for today's demanding data center

Mar 08, 2026 Hot

## Intel e10gsfplr ethernet SFP+ 10GBase LR Optic Module

The Intel Ethernet SFP+ LR (Long Range - Max link distance is 10km) Optic is a SFP+ module designed for the Intel Ethernet Converged Network Adapters (X520 family: product codes: E10G43BTDA,

Mar 15, 2026 Hot

## Intel 82599ES Ethernet Converged Network Adapter x520-DA2 Dual

The Intel 82599ES Ethernet Converged Network Adapter x520-DA2 Dual-port 10G/1G SFP+ PCIe2.0 x8 LP is a PCI Express (PCIe) generation 2 (Gen2) x8 adapter. The adapter can be

Jul 31, 2025 Hot

## Determining which SFP module to use for 10Gb/s port on

When the correct one is inserted, reboot and the interfaces should be recognized. An additional method for testing is to connect one cable to both 10Gb/s fibre ports. This is also called a loopback.

Dec 08, 2025 Hot

## Linux\* Base Driver for the Intel (R) Ethernet 10 Gigabit PCI Express ...

82598-BASED ADAPTERS NOTES: - Intel (r) Ethernet Network Adapters that support removable optical modules only support their original module type (for example, the Intel (R) 10 Gigabit SR Dual Port

Feb 07, 2026

## Contact Us

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