

# XFP, SFP, and SFP+ Compatibility Guide

Rev 1.0  
08/08/2008

For Use with the TM1936-SFP+, XMC3410,  
AMC10G-XFP, TM1160-SFP, and XS-AMC3



**Providing a Cohesive Approach to Embedded Solutions**

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## Revision History

<u>Date</u>	<u>Revision</u>	<u>Summary of Corrections</u>
08/08/2008	1.0	Initial Release

## Introduction

This document provides information on Ethernet modules which are necessary for XFP, SFP, and SFP+ ports on the following DTI products: TM1936-SFP+, XMC3410, AMC10G-XFP, TM1160-SFP, and XS-AMC3.

## Board/Port/Module Configuration

The following chart shows the type of Ethernet modules that are required for XFP, SFP, and SFP+ form factors on these products.

<b>TM1936-SFP+</b>		<b>AMC10G-XFP</b>	
Base (3.0) Port 20	1G SFP	Base (3.0)	1G SFP
Base (3.0) Port 21	1G SFP	Fabric (3.1)	10G XFP
Base (3.0) Port 26	10G SFP+		
Base (3.0) Port 27	10G SFP+	<b>XMC3410</b>	1G SFP
Fabric (3.1) Port 17	10G SFP+ / 1G SFP		
Fabric (3.1) Port 18	10G SFP+ / 1G SFP	<b>TM1160-SFP</b>	1G SFP
Fabric (3.1) Port 19	10G SFP+ / 1G SFP		
Fabric (3.1) Port 20	10G SFP+ / 1G SFP		
<b>XS-AMC3</b>	1G SFP / 100 SFP		

**Chart 1: Port Mapping for Ethernet Modules**

## Module Type Information

The following chart shows the specific modules that have been tested with DTI products. Each module is listed according to its type (XFP, SFP+, or SFP). SFP Module Blank, DTI PN 960007472, can be installed in any unused SFP port to provide dust and EMI protection.

### 10G XFP Modules

Manufacturer	Manufacturer Part #	DTI Part #	Ethernet Standard / Bandwidth	Wavelength
Avago	HFCT-721XPD	none	10GBase-LR	1310nm
Fiberxon	FTM-83X0C-X03G	960008583	10GBase-SR/SW	850nm
Finisar	FTLX1411D3	none	10GBase-LR/LW	1310nm
Sumitomo	SXP3101LX	none	10GBase-LR/LW	1310nm

### 10G SFP+ Modules

Manufacturer	Manufacturer Part #	DTI Part #	Ethernet Standard / Bandwidth	Wavelength
Avago	AFBR-700SDZ	none	10GBase-SR	850nm
Fiberxon	FTM-811XC-L03G	none	10GBase-SR/SW	850nm
Fiberxon	FTM-812XC-L03G	none	10GBase-SR/SW 1000Base-SX	850nm
Finisar	FTLX8571D3BCL	none	10GBase-SR/SW	850nm
Finisar	FTLX1471D3BCL	990000075	10GBase-LR/LW	1310nm
Picolight/JDSU	PLRXPL-VC-S43-21-N	OBSOLETE	10GBase-SR/SW	850nm
Picolight/JDSU	PLRXPL-SC-S43-21-N	990002143	10GBase-SR/SW	850nm
Picolight/JDSU	PLRXPL-SC-S43-51-N	none	10GBase-SR/SW	850nm

### 1G SFP Modules

Manufacturer	Manufacturer Part #	DTI Part #	Ethernet Standard / Bandwidth	Wavelength
<b>Optical Modules</b>				
Fiberxon	FTM-8012C-SLG	960008012	1000Base-SX	850nm
Fiberxon	FTM-3012C-SLG	960008312	1000Base-LX	1310nm
Finisar	FTLF8519P2BCL	960008183	1000Base-SX	850nm
Finisar	FTLF1318P2BCL	none	1000Base-LX	1310nm
Sixnet	GMFIBER-SFP-2K *	990000175	1000Base-LXc	1310nm
<b>Copper Modules</b>				
Finisar	FCLF-8521-3	960008747	10/100/1000BASE-T	N/A
Molex	74741-0001 **	none	1000BASE-T	N/A

\* **Note:** Use this special singlemode transceiver for use with multimode fiber cable for a nominal maximum link distance of 2 km. It is recommended that this transceiver be used on both ends of the cable for best performance.

\*\* **Note:** These modules do not perform well when tested for radiated emissions and immunity. They are not recommended.

### 100 SFP Modules

Manufacturer	Manufacturer Part #	DTI Part #	Ethernet Standard / Bandwidth	Wavelength
<b>Optical Modules</b>				
Linksys/Cisco	MFEFX1	990000060	100Base-FX	1310nm

Chart 2: XFP/SFP+/SFP Ethernet Modules