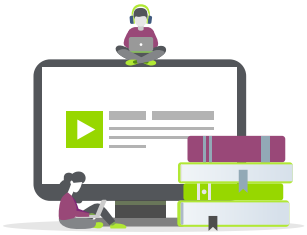
SELF-HELP KNOWLEDGE BASE ARTICLES



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Supported SFP's and Measuring Optical Power (General)

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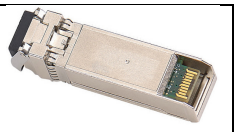
The following NetAlly products are capable of connecting to a fiber network using the SFP interface. Please note, not all units ship with an SFP adapter so it might need to be purchased separately.

- **LinkRunner AT 2000** (not available on the 1000)
  - Verify the SFP by selecting **Tools**, then **LinkRunner Information**.
- **LinkRunner G2**
  - Verify the SFP by selecting **About** from the left-side navigation drawer in the LinkRunner G2 app.
- **OneTouch AT G2**
  - Verify the SFP from the Home screen by tapping OneTouch AT icon (bottom middle) and scrolling down to SFP info.
- **OneTouch AT 10G** (capable of 10G fiber)
  - Verify the SFP from the Home screen by tapping OneTouch AT icon (bottom middle) and scrolling down to SFP info.
- **EtherScope nXG** and **LinkRunner 10G** (capable of 10G fiber)
  - Verify the SFP by selecting **About** from the left-side navigation drawer in EtherScope nXG / LinkRunner 10G apps.
- **CyberScope** (capable of 10G fiber)
  - Verify the SFP by selecting **About** from the left-side navigation drawer in CyberScope apps.

The following SFP modules are supported and some are available as additional accessories from NetAlly. Keep in mind it is possible to use other SFPs outside of the ones listed below (unless you are using 100mb fiber, as we only support this model). Make sure that you are using the **same** SFP type at **both** ends. For example, If you are using a 1000BASE-SX SFP in your switch port then you must use a 1000BASE-SX SFP in the LinkRunner AT-2000.

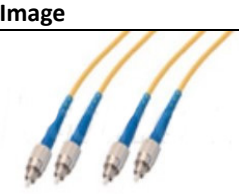
Note that any standards-based, DDM SFP (which is most these days) will work with our power meter function in EtherScope, LR10G and CyberScope. If they have the SFP for the various wavelengths we should work with them, no problem. This also includes DAC-type twinax cables (Direct Attach Copper).

NetAlly Part#	MFG Model No.	Description	Supported Cable Type	Fiber Optic Cable Color	NetAlly Compatible Units	Photo
SFP-1000SX	AVAGO AFBR 5715ALZ	SX Gig Fiber SFP transceiver with DDM (850 nm, Multimode)	50/125 µm Multimode Fiber 550 M 62.5/125 µm Multimode Fiber 275 M	Multimode (50/125) (OM2) – Orange Multimode (50/125) (OM3, OM4) – Aqua (10G Optimized) Multimode (50/125) (OM5) – Lime Green Multimode (62.5/125) (OM1) Grey (Sometimes Orange)	LinkRunner AT-2000 LinkRunner G2 Etherscope nXG LinkRunner 10G CyberScope	
SFP-1000LX	Finisar FTLF1318P2BTL	LX Gig Fiber SFP transceiver with DDM (1310 nm, Singlemode)	9/125 µm Singlemode Fiber 10 km	Singlemode (9/125) (OS1/OS2) - Yellow	LinkRunner AT-2000 LinkRunner G2 Etherscope nXG LinkRunner 10G CyberScope	
SFP-1000ZX	Finisar FTL1518P1BTL	ZX Gig Fiber SFP transceiver with DDM (1550 nm, Singlemode)	9/125 µm Singlemode Fiber 80 km	Singlemode (9/125) (OS1/OS2) - Yellow	LinkRunner AT-2000 LinkRunner G2	
SFP-100FX	Avago 57E5APZ	100BASE-FX Fiber SFP transceiver with DDM (Multimode)	50/125 µm Multimode Fiber 550 M 62.5/125 µm Multimode Fiber 275 M	Multimode (50/125) (OM2) – Orange Multimode (50/125) (OM3, OM4) – Aqua (10G Optimized) Multimode (50/125) (OM5) – Lime Green Multimode (62.5/125) (OM1) Grey (Sometimes Orange)	LinkRunner AT-2000 LinkRunner G2 Etherscope nXG LinkRunner 10G CyberScope	

SFP+MR-10G1310		10GBase-LR/10GBase-LX	LX/LR, 1G/10G, 1310nm, Singlemode	Singlemode (9/125) (OS1/OS2) - Yellow	Etherscope nXG LinkRunner 10G LinkRunner G2 CyberScope	
SFP+MR-10G850		10GBase-LR/10GBase-LX	SX/SR, 1G/10G, 850nm, Multimode	Multimode (50/125) (OM2) – Orange Multimode (50/125) (OM3, OM4) – Aqua (10G Optimized) Multimode (50/125) (OM5) – Lime Green Multimode (62.5/125) (OM1) Grey (Sometimes Orange)	Etherscope nXG LinkRunner 10G CyberScope	

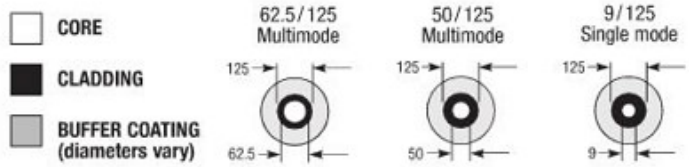
*Note: 100 MB fiber will not work on the EtherScope nXG.

Fiber Optical Color Chart:

Cable Color	Cable Type		Image
Yellow	9/125 Singlemode	OS1/OS2	

Orange	50/125 Multimode	OM2	
Aqua	50/125 Multimode (10Gigabit Optimized)	OM3/OM4	
Slate Grey	50/125 Multimode	OM5	
Lime Green	62.5/125 Multimode	OM1	

What do the fiber terms 9/125, 50/125 and 62.5/125 refer to?



These terms refer to the diameter in microns of a fiber optic cable's core and cladding.

The first set of numbers - 9, 50 and 62.5 refer to the diameter of the fiber cable's core.

The second set of numbers - 125 refer to the diameter of the outside of the fiber cable's cladding.

The cladding is a special coating that keeps the light from escaping the glass core.

9/125 refers to a single mode fiber cable. 50/125 and 62.5/125 refer to multimode fiber cable.