



Araknis Networks Transceiver Modules

10G SFP+ DAC 1m Passive

AN-SFP-10-D-1 & AN-SFP-10-D-3

This Araknis Networks Accessory Small Form Plug Plus (SFP+) Transceiver Module is optimized for use with Araknis switches. The transceiver module is available in 1m or 3m options (AN-SFP-10-D-1 features a 1-meter cable, AN-SFP-10-D-3 features a 3-meter cable) with Passive Copper DAC (Direct Attach Cable) designed for server racks requiring high-speed data transfers over shorter distances. With pull-to-release latches, swapping out ports is quick and easy when working with server racks.

Product Features

- 100Ω differential impedance
- Retractable pin latch
- Pull-to-release latch design
- Enhanced EMI skirt design
- RoHS Compliant
- 10 Gigabit Ethernet and Gigabit Ethernet (IEEE 802.3ae)



Best Used with Araknis Networks

This SFP+ transceiver module pairs best with Araknis Networks switches that feature SFP+ ports to take advantage of the high-speed data transfer capability.



Designed for DAC Cables

This SFP+ transceiver module is available in 1m or 3m DAC cable options in 30AWG copper wire. It includes an enhanced shielding skirt to protect against electromagnetic interference (EMI) and a simple pull-to-release latch design.



High-speed Data Transfer

Supports data speeds up to 10Gbps over 1m or 3m Passive Copper DAC.

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Recommended Operating Conditions

Parameter	Min	Typ	Max	Notes/Conditions
Operating Temperature	-20°C		85°C	
Storage Temperature	-40°C		85°C	
Relative Humidity	35%		60°C	No condensation
Input Voltage	3.135V	3.3V	3.465V	
Clock Frequency			400kHz	
Maximum Power			0.03W	
Maximum Average Current			10mA	
Data Rate	0.010Gbps		10.3125Gbps	

Mechanical Specifications

Parameter	Min	Typ	Max	Notes/Conditions
Cable Diameter (30 AWG)		0.165in		
Bend Radius (30 AWG)	0.827in			
Within Pair Skew		0.165in	120ps/10m	
Cable Insertion Loss	0.827in			
Bulk Cable Crosstalk			1%	
Bulk Cable Time Delay		10ps/10m	4.3ns/m	
Cable Capacitance (intra-pair)			43pF/m	
Bulk Cable Impedance	95Ohm	100Ohm	105Ohm	

Mechanical Dimensions

