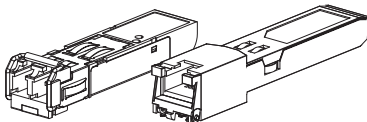


AN-ACC-SFP-E-100

RJ45 Electrical SFP

AN-ACC-SFP-MMF-350

MM Fiber SFP



Welcome to Araknis® Networks

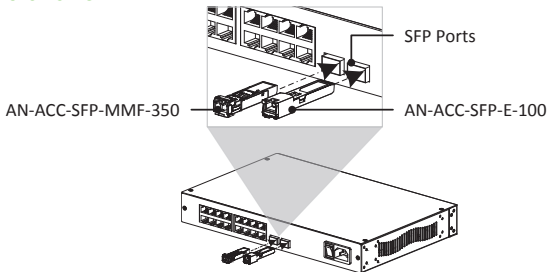
Thank you for choosing an Araknis AN-ACC-SFP-MMF-350 or AN-ACC-SFP-E-100 Small Form Plug (SFP) module. This product is part of a carefully selected line of accessories that compliment Araknis Network switches product lines. The AN-ACC-SFP utilizes the extra ports available in AN-300-SW series to provide uplinks to another network switch or Layer 3 device.

AN-ACC-SFP-MMF-350 provides an LC interface for multimode fiber patch cable while the AN-ACC-SFP-E-100 provides a standard RJ45 Gigabit Ethernet Interface.

Features

- Compliant with IEEE802.3z Gigabit Ethernet standard
- Industry standard small form pluggable (SFP) package
- Hot Pluggable
- Class 1 laser product complies with EN 60825-1 (for ANACC-SFP-MMF-350)
- Compact RJ45 connector (for AN-ACC-SFP-E-100) and duplex LC connector (for AN-ACC-SFP-MMF-350)

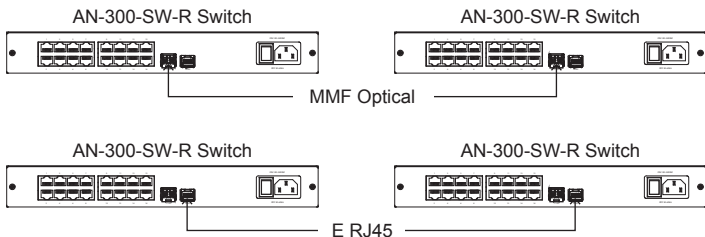
SFP Installation



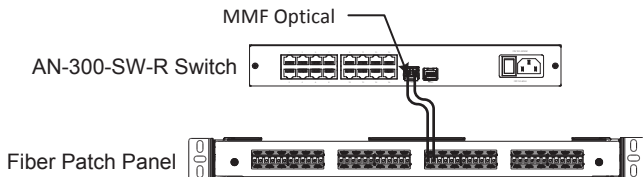


Applications

Switch to Switch



Switch to Patch Panel



Note: Only MMF shown, E RJ45 may also be used with patch panel.

AN-ACC-SFP-E-100 Specifications

PARAMETER	SYMBOL	MIN	MAX	UNITS	Note
Storage Temperature	T_S	- 40	85	°C	
Supply Voltage	V_{CC}	- 0.5	4	V	
Input Voltage	V_{IN}	- 0.5	V_{CC}	V	
Output Current	I_O	---	50	mA	
Operating Current	I_{OP}	---	400	mA	



AN-ACC-SFP-MMF-350 Specifications

PARAMETER	SYMBOL	MIN	MAX	UNITS	Note
Case Operating Temperature	T_C	0	70	°C	
Supply Voltage	V_{CC}	3.1	3.5	V	
Supply Current	$I_{TX} + I_{RX}$	---	250	mA	

Transmitter Electro-Optical Characteristics

$V_{CC} = 3.1 \text{ V to } 3.5 \text{ V}$, $T_C = 0^\circ\text{C to } 70^\circ\text{C}$ ($-20^\circ\text{C to } 85^\circ\text{C}$) ($-40^\circ\text{C to } 85^\circ\text{C}$)

PARAMETER	SYMBOL	MIN	TYP.	MAX	UNITS	Note
Optical Output Power (50/125 μm fiber, NA=0.20) (62.5/125 μm fiber, NA=0.275)	P_{OUT}	-9.5	---	-4	dBm	
Extinction Ratio	ER	9	---	---	dB	
Coupled Power Ratio	CPR	9	---	---	dB	
Center Wavelength	λ_C	830	850	860	nm	
Spectral Width (RMS)	$\Delta\lambda$	---	---	0.85	nm	
Rise/Fall Time, (20-80%)	$T_{r,f}$	---	---	260	ps	
Relative Intensity Noise	RIN	---	---	-117	dB/Hz	
Total Jitter	TJ	---	---	227	ps	
Output Eye	Compliant with IEEE802.3z					
Max P_{OUT} TX-DISABLE Asserted	P_{OFF}	---	---	-45	dBm	
Differential Input Voltage	V_{DIFF}	0.4	---	2	V	



Receiver Electro-optical Characteristics

$V_{CC} = 3.1 \text{ V to } 3.5 \text{ V}$, $T_c = 0^\circ\text{C to } 70^\circ\text{C}$

PARAMETER	SYMBOL	MIN	TYP.	MAX	UNITS	Note
Optical Input Power-maximum	P_{IN}	0	---	---	dBm	BER < 10^{-12}
Optical Input Power-minimum (Sensitivity)	P_{IN}	---	---	-18	dBm	BER < 10^{-12}
Operating Center Wavelength	λ_C	770	---	860	nm	
Optical Return Loss	ORL	12	---	---	dB	
Loss of Signal-Asserted	P_A	---	---	- 18	dBm	
Loss of Signal-Deasserted	P_D	- 35	---	---	dBm	
Differential Output Voltage	V_{DIFF}	0.5	---	1.2	V	
Data Output Rise, Fall Time (20-80%)	$T_{r, f}$	---	---	0.35	ns	
Receiver Loss of Signal Output Voltage-Low	RX_LOS_L	0	---	0.5	V	
Receiver Loss of Signal Output Voltage-High	RX_LOS_H	2.4	---	V_{CC}	V	

Warranty

2 Year Limited Warranty

Araknis Networks® products have a 2-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified or disassembled. Products to be repaired under this warranty must be returned to SnapAV or a designated service center with prior notification and an assigned return authorization number (RA).

Contacting Technical Support

Phone: (866) 838-5052

Email: Techsupport@snapav.com