

Small-Form Factor Pluggable (SFP) and Stacking Accessories

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This article provides technical data on Fiber Transceivers and stacking accessories compatible with Meraki devices.

Note: regarding switches series

If not specified otherwise, all switches below under "Compatibility" columns, include any model within the series, for example, MS120 on the table represents:

- MS120-24-HW
- MS120-24P-HW
- MS120-48-HW
- MS120-48LP-HW
- MS120-48FP-HW

Fiber Transceivers

Meraki 1000Base SX Multi-Mode

Meraki Product Number	MA-SFP-1GB-SX
Standard	1000BASE-SX
Wavelength (nm)	850
Fiber Type	MMF
Fiber Description	OM1
Core/ Clad Diameter	62.5 μ m / 125 μ m
Jacket Color	Orange
Max Distance	220 m
Data Rate	Gigabit
Compatibility	MX75 / MX84 / MX85 / MX95 / MX100 / MX105 / MX250 / MX400 / MX450 / MX600 / MS120 / MS125 / MS130 / MS210 / MS225 / MS250 MS350 / MS355 / MS390 / MS410 / MS425 /

Meraki Product Number	MA-SFP-1GB-SX
Standard	1000BASE-SX
Wavelength (nm)	850
Fiber Type	MMF
Fiber Description	OM2
	50 μ m / 125 μ m

Core/ Clad Dia...
Jacket Color Orange
Max Distance 550 m
Data Rate Gigabit
Compatibility MX75 / MX84 / MX85 / MX95 /
MX100 / MX105 / MX250 /
MX400 / MX450 / MX600 /

MS120 / MS125 /

MS130 /
MS210 / MS225 / MS250
MS350 / MS355 / MS390 /
MS410 / MS425 /

Meraki Produc... MA-SFP-1GB-SX
Standard 1000BASE-SX
Wavelength (n... 850
Fiber Type MMF
Fiber Descript... OM3
Core/ Clad Dia... 50 μ m / 125 μ m
Jacket Color Aqua
Max Distance 550 m
Data Rate Gigabit
Compatibility MX75 / MX84 / MX85 / MX95 /
MX100 / MX105 / MX250 /
MX400 / MX450 / MX600 /

MS120 / MS125 /

MS130 /
MS210 / MS225 / MS250
MS350 / MS355 / MS390 /
MS410 / MS425 /

Meraki Produc... MA-SFP-1GB-SX
Standard 1000BASE-SX
Wavelength (n... 850
Fiber Type MMF
Fiber Descript... OM4
Core/ Clad Dia... 50 μ m / 125 μ m
Jacket Color Aqua
Max Distance 1 km
Data Rate Gigabit
Compatibility MX75 / MX84 / MX85 / MX95 /
MX100 / MX105 / MX250 /
MX400 / MX450 / MX600 /

MS120 / MS125 /

MS130 /
MS210 / MS225 / MS250
MS350 / MS355 / MS390 /
MS410 / MS425 /

Meraki 1000Base LX10 Single-Mode

Meraki Produc... MA-SFP-1GB-LX10
Standard 1000BASE-LX10

Wavelength (n...	1310
Fiber Type	SMF
Fiber Descript...	OS1/OS2
Core/ Clad Dia...	9 µm / 125 µm
Jacket Color	Yellow
Max Distance	10 km
Data Rate	Gigabit
Compatibility	MX75 / MX84 / MX85 / MX95 / MX100 / MX105 / MX250 / MX400 / MX450 / MX600 / MS120 / MS125 / MS130 / MS210 / MS225 / MS250 MS350 / MS355 / MS390 / MS410 / MS425 /

Meraki Produc...	MA-SFP-1GB-LX10
Standard	1000BASE-LX10
Wavelength (n...	1310
Fiber Type	MMF
Fiber Descript...	with LC mode conditioning cable
Core/ Clad Dia...	N/A
Jacket Color	Yellow / Orange
Max Distance	550 m
Data Rate	Gigabit
Compatibility	MX75 / MX84 / MX85 / MX95 / MX100 / MX105 / MX250 / MX400 / MX450 / MX600 / MS120 / MS125 / MS130 / MS210 / MS225 / MS250 MS350 / MS355 / MS390 / MS410 / MS425 /

Meraki 1 GbE SFP Copper Module

Meraki Produc...	MA-SFP-1GB-TX
Standard	1000BASE-T
Wavelength (n...	N/A
Fiber Type	N/A
Fiber Descript...	N/A
Core/ Clad Dia...	N/A
Jacket Color	N/A
Max Distance	100 m
Data Rate	Gigabit
Compatibility	All MXes All MSes, except MS390

Meraki 10G Base SR Multi-Mode

Meraki Produc...	MA-SFP-10GB-SR
Standard	10GBASE-SR
Wavelength (n...	850
Fiber Type	MMF
Fiber Descript...	OM1
Core/ Clad Dia...	62.5 μ m / 125 μ m
Jacket Color	Orange
Max Distance	26 m
Data Rate	10 Gigabit
Compatibility	MX95 / MX105 MX250 / MX400 MX450 / MX600 MS125 MS130-X MS225 / MS250 MS350 / MS355 / MS390 MS410 / MS425

Meraki Produc...	MA-SFP-10GB-SR
Standard	10GBASE-SR
Wavelength (n...	850
Fiber Type	MMF
Fiber Descript...	OM2
Core/ Clad Dia...	50 μ m / 125 μ m
Jacket Color	Orange
Max Distance	82 m
Data Rate	10 Gigabit
Compatibility	MX95 / MX105 MX250 / MX400 MX450 / MX600 MS125 MS130-X MS225 / MS250 MS350 / MS355 / MS390 MS410 / MS425

Meraki Produc...	MA-SFP-10GB-SR
Standard	10GBASE-SR
Wavelength (n...	850
Fiber Type	MMF
Fiber Descript...	OM3
Core/ Clad Dia...	50 μ m / 125 μ m
Jacket Color	Aqua
Max Distance	300 m
Data Rate	10 Gigabit
Compatibility	MX95 / MX105 MX250 / MX400 MX450 / MX600

MS125
MS130-X
MS225 /
MS250
MS350 /
MS355 / MS390
MS410 / MS425

Meraki Produc... MA-SFP-10GB-SR

Standard 10GBASE-SR

Wavelength (n... 850

Fiber Type MMF

Fiber Descript... OM4

Core/ Clad Dia... 50 μm / 125 μm

Jacket Color Aqua

Max Distance 400 m

Data Rate 10 Gigabit

Compatibility MX95 / MX105
MX250 / MX400
MX450 / MX600

MS125
MS130-X
MS225 /
MS250
MS350 /
MS355 / MS390
MS410 / MS425

Meraki 10G Base LR Single-Mode

Meraki Produc... MA-SFP-10GB-LR

Standard 10GBASE-LR

Wavelength (n... 1310

Fiber Type SMF

Fiber Descript... OS1/OS2

Core/ Clad Dia... 9 μm / 125 μm

Jacket Color Yellow

Max Distance 10 km

Data Rate 10 Gigabit

Compatibility MX95 / MX105
MX250 / MX400
MX450 / MX600

MS125
MS130-X
MS225 /
MS250
MS350 /
MS355 / MS390
MS410 / MS425

Meraki 10G Base LRM Multi-Mode

Meraki Produc... MA-SFP-10GB-LRM

Standard 10GBASE-LRM

Wavelength (n... 1310
Fiber Type MMF
Fiber Descript... OM1
Core/ Clad Dia... 62.5 µm / 125 µm
Jacket Color Orange
Max Distance 220 m
Data Rate 10 Gigabit
Compatibility MS225 / MS250
MS350 / MS355 / MS390
MS410 / MS425

Meraki Produc... MA-SFP-10GB-LRM
Standard 10GBASE-LRM
Wavelength (n... 1310
Fiber Type MMF
Fiber Descript... OM2
Core/ Clad Dia... 50 µm / 125 µm
Jacket Color Orange
Max Distance 220 m *
Data Rate 10 Gigabit
Compatibility MS225 / MS250
MS350 / MS355 / MS390
MS410 / MS425

Meraki Produc... MA-SFP-10GB-LRM
Standard 10GBASE-LRM
Wavelength (n... 1310
Fiber Type MMF
Fiber Descript... OM3
Core/ Clad Dia... 50 µm / 125 µm
Jacket Color Aqua
Max Distance 220 m
Data Rate 10 Gigabit
Compatibility MS225 / MS250
MS350 / MS355 / MS390
MS410 / MS425

Meraki Produc... MA-SFP-10GB-LRM
Standard 10GBASE-LRM
Wavelength (n... 1310
Fiber Type SMF
Fiber Descript... OS1/OS2
Core/ Clad Dia... 9 µm / 125 µm
Jacket Color Yellow
Max Distance 300 m
Data Rate 10 Gigabit
Compatibility MX95 / MX105 / MX250
MX400 / MX450 / MX600

MS225 / MS250
MS350 / MS355 / MS390
MS410 / MS425

* Modal bandwidth at 500MHz/km

Meraki 10G Base ER Module

Meraki Produc...	MA-SFP-10GB-ER **
Standard	10GBASE-ER
Wavelength (n...	1550
Fiber Type	SMF
Fiber Descript...	OS1/OS2
Core/ Clad Dia...	9 µm / 125 µm
Jacket Color	Yellow
Max Distance	40 km
Data Rate	10 Gigabit
Compatibility	MX95 / MX105 MX250 / MX450 MS130-X MS225 / MS250 MS350 / MS355 / MS390 MS410 / MS425

** Please refer to the [MS125 Overview and Specifications](#) for additional compatibility data.

Meraki 10G Base ZR Module

Meraki Produc...	MA-SFP-10GB-ZR
Standard	10GBASE-ZR
Wavelength (n...	1550
Fiber Type	SMF
Fiber Descript...	OS1/OS2
Core/ Clad Dia...	9 µm / 125 µm
Jacket Color	Yellow
Max Distance	80 km
Data Rate	10 Gigabit
Compatibility	MX95 / MX105 MX250 / MX450 MS225 / MS250 MS350 / MS355 MS410 / MS425

Meraki SR4 QSFP 40G Transceiver

Meraki Produc...	MA-QSFP-40G-SR4
Standard	QSFP - MPO12
Wavelength (n...	850
Fiber Type	MMF
Fiber Descript...	OM2, OM3, OM4
Core/ Clad Dia...	50 µm / -
Jacket Color	Aqua
Max Distance	30 m, 100 m, 150 m
Data Rate	40 Gigabit

Compatibility MS355 /
MS390
MS425 / MS450

Meraki LR4 QSFP 40G Transceiver

Meraki Produc... MA-QSFP-40G-LR4

Standard QSFP - LC

Wavelength (n... 1310

Fiber Type SMF

Fiber Descript... OS1, OS2

Core/ Clad Dia... G.652 / -

Jacket Color Yellow

Max Distance 10 km

Data Rate 40 Gigabit

Compatibility MS355/ MS390
MS425 / MS450

Meraki CSR4 QSFP 40G Transceiver

Meraki Produc... MA-QSFP-40G-CSR4

Standard QSFP - MPO12

Wavelength (n... 850

Fiber Type MMF

Fiber Descript... OM2, OM3, OM4

Core/ Clad Dia... 50 μ m / -

Jacket Color Aqua

Max Distance 82 m, 300 m, 400 m

Data Rate 40 Gigabit

Compatibility MS355/ MS390
MS425 / MS450

Meraki SR-BD QSFP 40G Transceiver

Meraki Produc... MA-QSFP-40G-SR-BD

Standard QSFP - Duplex LC

Wavelength (n... 832-918

Fiber Type MMF

Fiber Descript... OM2, OM3, OM4

Core/ Clad Dia... 50 μ m / -

Jacket Color Aqua

Max Distance 30 m, 100 m, 150 m

Data Rate 40 Gigabit

Compatibility MS355 / MS390
MS425 / MS450

Meraki LR4 QSFP 100G Transceiver

Meraki Produc...	MA-QSFP-100G-LR4
Standard	100GBASE-LR4
Wavelength (n...	1295, 1300, 1304, 1309
Fiber Type	SMF
Fiber Descript...	OS1, OS2
Core/ Clad Dia...	G.652 / -
Jacket Color	Yellow
Max Distance	10 km
Data Rate	100 Gigabit
Compatibility	MS450

Meraki SR4 QSFP 100G Transceiver

Meraki Produc...	MA-QSFP-100G-SR4
Standard	100GBASE-SR4
Wavelength (n...	850
Fiber Type	MMF
Fiber Descript...	OM3, OM4/OM5
Core/ Clad Dia...	50 µm / -
Jacket Color	Aqua
Max Distance	70 m, 100 m
Data Rate	100 Gigabit
Compatibility	MS450

Direct Attach

Meraki Produc...	MA-CBL-TA-1M
Standard	10GSFP+Cu
Cable Length	1 m
Assembly Type	Passive Twinax
Data Rate	10 Gigabit
Compatibility	MX95 / MX105 MX250 / MX450 MS125 / MS130-X/ MS225 / MS250 MS350 / MS355 / MS390 MS410 / MS425

Meraki Produc...	MA-CBL-TA-3M
Standard	10GSFP+Cu
Cable Length	3 m
Assembly Type	Passive Twinax
Data Rate	10 Gigabit
Compatibility	MX95 / MX105 MX250 / MX450 MS125 / MS130-X/ MS225 / MS250 MS350 / MS355 / MS390 MS410 / MS425

Stacking Cables

Meraki Produc...	MA-CBL-40G-50CM
Standard	40QSFP+Cu
Cable Length	50 cm
Assembly Type	QSFP+ passive Twinax cable assembly
Data Rate	40 Gigabit
Compatibility	MS210 / MS225 / MS250 MS350 MS410 / MS425

Meraki Produc...	MA-CBL-40G-1M
Standard	40QSFP+Cu
Cable Length	1 m
Assembly Type	QSFP+ passive Twinax cable assembly
Data Rate	40 Gigabit
Compatibility	MS210 / MS225 / MS250 MS350 MS410 / MS425

Meraki Produc...	MA-CBL-40G-3M
Standard	40QSFP+Cu
Cable Length	3 m
Assembly Type	QSFP+ passive Twinax cable assembly
Data Rate	40 Gigabit
Compatibility	MS210 / MS225 / MS250 MS350 MS410 / MS425

Meraki Produc...	MA-CBL-100G-50CM
Standard	100QSFP28
Cable Length	50 cm
Assembly Type	QSFP28 passive Twinax cable assembly
Data Rate	100 Gigabit
Compatibility	MS355 / MS450

Meraki Produc...	MA-CBL-100G-1M
Standard	100QSFP28
Cable Length	1 m
Assembly Type	QSFP28 passive Twinax cable assembly
Data Rate	100 Gigabit
Compatibility	MS355 / MS450

Meraki Produc...	MA-CBL-100G-3M
Standard	100QSFP28
Cable Length	3 m
Assembly Type	QSFP28 passive Twinax cable assembly
Data Rate	100 Gigabit
Compatibility	MS355 / MS450

Meraki Produc...	MA-CBL-120G-50CM
Standard	N/A
Cable Length	50 cm

Assembly Type	Cisco Meraki 120G stack cable
Data Rate	120 Gigabit
Compatibility	MS390

Meraki Produc... MA-CBL-120G-1M

Standard N/A

Cable Length 1 m

Assembly Type Cisco Meraki 120G stack cable

Data Rate 120 Gigabit

Compatibility MS390

Meraki Produc... MA-CBL-120G-3M

Standard N/A

Cable Length 3 m

Assembly Type Cisco Meraki 120G stack cable

Data Rate 120 Gigabit

Compatibility MS390

StackPower Cables

Meraki Product ID	Cable Length	Compatibility
MA-CBL-SPWR-30CM	30 cm	MS390
MA-CBL-SPWR-150CM	1.5 m	MS390

Uplink Modules

Meraki Product ID	Cable Length	Compatibility
MA-MOD-8x10G	8-port 1/10G SFP+ Uplink module	MS390
MA-MOD-4x10G	4-port 1/10G SFP+ Uplink module	MS390
MA-MOD-2x40G	2-port 40G QSFP+ Uplink module	MS390

Note: The **MA-MOD-4x10G** for the MS390 is end of sale.

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