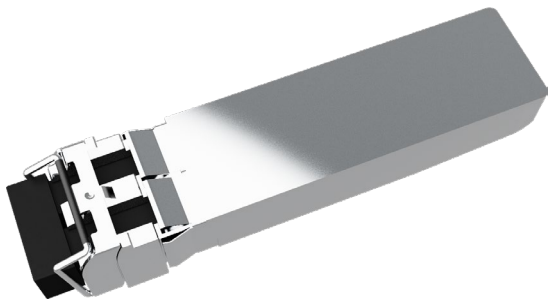
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Add-ons





SFP transceiver module

Datasheet

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SFP transceiver modules - 1000Base-BX — Single Fiber

Model	Details	
IM-SFP-BX10-T131R149	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1310nm-TX / 1490nm-RX – **Max Cable Distance**: 10 km – **TX Power**: -9 ~ -3 dBm	– **Commercial Temperature Range**: 0° C - 70° C (32° F - 158° F) – **Receiver Sensitivity**: < -23 dBm – **Connector**: LC simplex
IM-SFP-BX10-T149R131	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1490nm-TX / 1310nm-RX – **Max Cable Distance**: 10 km – **TX Power**: -9 ~ -3 dBm	– **Commercial Temperature Range**: 0° C - 70° C (32° F - 158° F) – **Receiver Sensitivity**: < -23 dBm – **Connector**: LC simplex
IM-SFP-BX40-T131R149	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1310nm-TX / 1550nm-RX – **Max Cable Distance**: 40 km – **TX Power**: -5 ~ 2 dBm	– **Commercial Temperature Range**: 0° C - 70° C (32° F - 158° F) – **Receiver Sensitivity**: < -23 dBm – **Connector**: LC simplex
IMT-SFP-BX40-T131R149	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1310nm-TX / 1550nm-RX – **Max Cable Distance**: 40 km – **TX Power**: -5 ~ 2 dBm	– **Industrial Temperature Range**: -40° C - +85° C (-40° F up to 185° F) – **Receiver Sensitivity**: < -23 dBm – **Connector**: LC simplex
IMT-SFP-BX40-T155R131	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1550nm-TX / 1310nm-RX – **Max Cable Distance**: 40 km – **TX Power**: -5 ~ 0 dBm	– **Industrial Temperature Range**: -40° C - +85° C (-40° F up to 185° F) – **Receiver Sensitivity**: < -23 dBm – **Connector**: LC simplex
IMT-SFP-BX40-T131R155	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1310nm-TX / 1550nm-RX – **Max Cable Distance**: 40 km – **TX Power**: -3 ~ 2dBm	– **Industrial Temperature Range**: -40° C - +85° C (-40° F up to 185° F) – **Receiver Sensitivity**: < -23 dBm – **Connector**: LC simplex
IMT-SFP-BX80-T157R149	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1570nm-TX / 1490nm-RX – **Max Cable Distance**: 80 km – **TX Power**: -2 ~ 3dBm	– **Industrial Temperature Range**: -40° C - +85° C (-40° F up to 185° F) – **Receiver Sensitivity**: < -24 dBm – **Connector**: LC simplex
IMT-SFP-BX80-T149R157	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1490nm-TX / 1570nm-RX – **Max Cable Distance**: 80 km – **TX Power**: -2 ~ 3dBm	– **Industrial Temperature Range**: -40° C - +85° C (-40° F up to 185° F) – **Receiver Sensitivity**: < -24 dBm – **Connector**: LC simplex

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SFP transceiver modules – up to 1 Gbps

Model	Details	
IMT-SFP-100 FX	– **Max Data Rate**: 125 Mbps – **Wavelength**: 1310nm – **Max Cable Distance**: 2 km – **TX Power**: -5 ~ 0 dBm	– **Industrial Temperature Range**: -40° C - 85° C (-40° F up to 185° F) – **Receiver Sensitivity**: < -24 dBm – **Connector**: LC duplex
IMT-SFP-1000Base SX	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 850nm – **Max Cable Distance**: 550m over OM2 MMF – **TX Power**: -9.5 ~ - 3 dBm	– **Industrial Temperature Range**: -40° C - 85° C (-40° F up to 185° F) – **Receiver Sensitivity**: < -17 dBm – **Connector**: LC duplex
IMT-SFP-1000Base LX	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1310nm – **Max Cable Distance**: 10 km – **TX Power**: -9.5 ~ - 3 dBm	– **Industrial Temperature Range**: -40° C - 85° C (-40° F up to 185° F) – **Receiver Sensitivity**: < -23 dBm – **Connector**: LC duplex
IM-SFP-EX40	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1310nm – **Max Cable Distance**: 40 km – **TX Power**: -5 ~ 0 dBm	– **Commercial Temperature Range**: 0° C - 70° C (32° F - 158° F) – **Receiver Sensitivity**: < -24 dBm – **Connector**: LC duplex
IMT-SFP-1000Base ZX	– **Max Data Rate**: 1000 Mbps – **Wavelength**: 1550nm – **Max Cable Distance**: 80 km – **TX Power**: 0 ~ 5 dBm	– **Commercial Temperature Range**: 0° C - 70° C (32° F - 158° F) – **Receiver Sensitivity**: < -24 dBm – **Connector**: LC duplex
IM-SFP-1000Base TX	– **Max Data Rate**: 1000 Mbps – **Max Cable Distance**: 100 m – **Media:** Cat 6/Cat 6a	– **Commercial Temperature Range**: 0° C - 70° C (32° F - 158° F) – **Connector**: RJ45
IMT-SFP-1000Base TX	– **Max Data Rate**: 1.25 Gbps – **Max Cable Distance**: 100 m – **Media:** Cat 5 UTP	– **Industrial Temperature Range**: -40° C - 85° C (-40° F up to 185° F) – **Connector**: RJ45

SFP transceiver modules – Up to 2.5 Gbps

Model	Details	
IM-SFP-2.5Gbase-T	– **Max Data Rate**: 2.5 Gbps – **Max Cable Distance**: 100 m – **Media:** Cat 5e	– **Temperature Range**: 0° C - 70° C (32° F up to 158° F) – **Connector**: LC duplex
IM-SFP-2500Base SX	– **Max Data Rate**: 2.5 Gbps – **Wavelength**: 850nm – **Max Cable Distance**: 300 m – **Media:** MMF	– **Commercial Temperature Range**: -10° C - 70° C (14° F up to 158° F) – **Connector**: LC Duplex

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SFP transceiver modules – up to 10 Gbps

Model	Details
IMT-SFP-10GBase-T-80	– **Max Data Rate**: 1.25G/10G, multi-rate – **Interface:** RJ45 – **Transmission**: 80 meters transmission over CAT.6a/CAT.7 – **Industrial Temperature Range:** -40° C / +85° C (-40° F /185° F)
IM-SFP-10G10-LR	– **Max Data Rate**: 10.3125 Gbps – **Wavelength**: 1310nm – **Max Cable Distance**: 10 km – **TX Power**: -8.2 ~ 0.5 dBm – **Commercial Temperature Range**: 0° C - 70° C (32° F up to 158° F) – **Receiver Sensitivity**: < -24 dBm – **Connector**: LC duplex
IM-SFP-10G03-SR	– **Max Data Rate**: 10.3125 Gbps – **Wavelength**: 850nm – **Max Cable Distance:** 300m – **TX Power**: -7.3~-1dBm – **Commercial Temperature Range**: 0° C - 70° C (32° F up to 158° F) – **Receiver Sensitivity**: < -11.1 dBm – **Connector**: LC Duplex
IM-SFP-10G40-ER	– **Max Data Rate**: 11.3 Gbps – **Wavelength**: 1550nm – **Max Cable Distance**: 40 km – **TX Power**: -1 ~ 4dBm – **Commercial Temperature Range**: 0° C - 70° C (32° F up to 158° F) – **Receiver Sensitivity**: < -16 dBm – **Connector**: LC Duplex
IM-SFP-10G80-ZR	– **Max Data Rate**: 11.3 Gbps – **Wavelength**: 1550nm – **Max Cable Distance**: 80 km – **TX Power**: 0 ~ 5 dBm – **Commercial Temperature Range**: 0° C - 70° C (32° F up to 158° F) – **Receiver Sensitivity**: < -23 dBm – **Connector**: LC Duplex

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Summary table of router models and SFP transceiver modules

All SFP modules are also available in industrial version, which have an extended temperature range.

	Product model	Base BX models	FX, SX, LX, EX40, ZX, TX models	Uop to 2.5 Gbps	Up to 10 Gbps
Imola IKF series	– **LX x272-IKF** – **x872-IKF-IKW** – **x872-IKF-IK2W** – **x872-IKF-IKW-PoE** – **x872-44-IKW-IKF** – **x872-IK2V-IK2F**	– IM-SFP-BX10-T131R149 – IM-SFP-BX10-T149R131 – IM-SFP-BX40-T131R149 – IMT-SFP-BX40-T131R149 – IM-SFP-BX40-T155R131 – IM-SFP-BX40-T131R155 – IM-SFP-BX80-T157R149 – IM-SFP-BX80-T149R157	— IMT-SFP-1000Base LX — IMT-SFP-1000Base SX — IM-SFP-1000Base ZX — IM-SFP-EX40 — IM-SFP-1000Base TX		
Imola SGR (Smart Grid series)	– **x272-SGR** – **x272-SGR-IK2W** – **x272-SGR-IKR** – **5572-SGR**				
Imola series	– **x286**			- IM-SFP-2.5Gbase-T - IM-SFP-2500Base SX	– IMT-SFP-10GBase-T-80 – IM-SFP-10G10-LR – IM-SFP-10G03-SR – IM-SFP-10G40-ER – IM-SFP-10G80-ZR
Imola LX series	– **LX x296** – **LX x296-20** – **LX 5596** – **LX 5596-20**				
Lipari series	– **Lipari 5584-W**				
Imola E series	– **CPU S2 card** – **Switch S2 card**	– IM-SFP-BX10-T131R149 – IM-SFP-BX10-T149R131 – IM-SFP-BX40-T131R149 – IMT-SFP-BX40-T131R149 – IM-SFP-BX40-T155R131 – IM-SFP-BX40-T131R155 – IM-SFP-BX80-T157R149 – IM-SFP-BX80-T149R157	— IMT-SFP-1000Base LX — IMT-SFP-1000Base SX — IMT-SFP-1000Base ZX — IM-SFP-EX40 — IMT-SFP-100 FX — IM-SFP-1000Base TX — IMT-SFP-1000Base TX		
Elba series	– **Elba 100**	– IM-SFP-BX10-T131R149 – IM-SFP-BX10-T149R131 – IM-SFP-BX40-T131R149 – IMT-SFP-BX40-T131R149 – IM-SFP-BX40-T155R131 – IM-SFP-BX40-T131R155 – IM-SFP-BX80-T157R149 – IM-SFP-BX80-T149R157	— IMT-SFP-1000Base LX — IMT-SFP-1000Base SX — IMT-SFP-1000Base ZX — IM-SFP-EX40 — IMT-SFP-100 FX — IM-SFP-1000Base TX — IMT-SFP-1000Base TX		
Levanto series	– **Levanto 5218** – **Levanto 5518**	– IM-SFP-BX10-T131R149 – IM-SFP-BX10-T149R131 – IM-SFP-BX40-T131R149 – IMT-SFP-BX40-T131R149 – IM-SFP-BX40-T155R131 – IM-SFP-BX40-T131R155 – IM-SFP-BX80-T157R149 – IM-SFP-BX80-T149R157	— IMT-SFP-1000Base LX — IMT-SFP-1000Base SX — IMT-SFP-1000Base ZX — IM-SFP-EX40 — IMT-SFP-100 FX — IM-SFP-1000Base TX — IMT-SFP-1000Base TX		

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