

Router series Add-ons SFP transceiver modules

SFP transceiver modules

For Tiesse's product series

Imola IKF/SGR, Imola E and Elba

SFP Transceiver 1000Base-BX – Single Fiber

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 fino 185° F)
- **Receiver Sensitivity:** < -23 dBm
- **Connector:** LC simplex

IM-SFP-BX40-T155R131

- **Max Data Rate:** 1000 Mbps
- **Wavelength:** 1550nm-TX / 1310nm-RX
- **Max Cable Distance:** 40 km
- **TX Power:** -5 ~ 0 dBm
- **Commercial Temperature Range:** 0° C - 70° C (32° F - 158° F)
- **Receiver Sensitivity:** < -23 dBm
- **Connector:** LC simplex

IM-SFP-BX40-T131R155

- **Max Data Rate:** 1000 Mbps
- **Wavelength:** 1310nm-TX / 1550nm-RX
- **Max Cable Distance:** 40 km
- **TX Power:** -3 ~ 2dBm
- **Commercial Temperature Range:** 0° C - 70° C (32° F - 158° F)
- **Receiver Sensitivity:** < -23 dBm
- **Connector:** LC simplex

IM-SFP-BX80-T157R149

- **Max Data Rate:** 1000 Mbps
- **Wavelength:** 1570nm-TX / 1490nm-RX
- **Max Cable Distance:** 80 km
- **TX Power:** -2 ~ 3 dBm
- **Commercial Temperature Range:** 0° C - 70° C (32° F - 158° F)
- **Receiver Sensitivity:** < -24 dBm
- **Connector:** LC simplex

IM-SFP-BX80-T149R157

- **Max Data Rate:** 1000 Mbps
- **Wavelength:** 1490nm-TX / 1570nm-RX
- **Max Cable Distance:** 80 km
- **TX Power:** -2 ~ 3 dBm
- **Commercial Temperature Range:** 0° C - 70° C (32° F - 158° F)
- **Receiver Sensitivity:** < -24dBm
- **Connector:** LC simplex



Other SFP Transceivers

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 fino 185° F)
- **Receiver Sensitivity:** < -23 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 fino 185° F)
- **Receiver Sensitivity:** < -17 dBm
- **Connector:** LC duplex

IM-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

IMT-SFP-10G10-LR

- **Max Data Rate:** 10.3125 Gbps
- **Wavelength:** 1310nm
- **Max Cable Distance:** 40 km
- **TX Power:** -8.2 ~ 0.5 dBm
- **Industrial Temperature Range:** -40° C - 85° C (-40° F fino 185° F)
- **Receiver Sensitivity:** < -14.4 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-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 fino 185° 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 fino 185° F)
- **Connector:** RJ45



Summary table of router models and SFP transceiver modules

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

| | Models | SFP Transceiver Base BX | Altri SFP Transceiver | SFP Transceiver 10G |
|------------------|---|---|--|---------------------|
| Imola IKF series | <ul style="list-style-type: none"> – x872-IKF-IKW – x872-IKF-IK2W – x872-IKF-IKW-PoE – x872-44-IKW-IKF – x872-IK2V-IK2F-IK2W | <ul style="list-style-type: none"> – IM-SFP-BX10-T149R131 – IM-SFP-BX10-T131R149 – IMT-SFP-BX40-T131R149 – IM-SFP-BX40-T155R131 – IM-SFP-BX40-T149R131 – IM-SFP-BX40-T131R155 – IM-SFP-BX80-T157R149 – IM-SFP-BX80-T149R157 | <ul style="list-style-type: none"> – IMT-SFP-1000Base LX – IMT-SFP-1000Base SX – IM-SFP-1000Base ZX – IM-SFP-EX40 – IM-SFP-1000Base TX | – |
| | Imola SGR series (Smart Grid) | <ul style="list-style-type: none"> – x272-SGR – x272-SGR-IK2W – x272-SGR-IKR | | |
| Imola E series | <ul style="list-style-type: none"> – Scheda CPU S2 – Scheda Switch S2 | <ul style="list-style-type: none"> – IM-SFP-BX10-T149R131 – IM-SFP-BX10-T131R149 – IMT-SFP-BX40-T131R149 – IM-SFP-BX40-T155R131 – IM-SFP-BX40-T149R131 – IM-SFP-BX40-T131R155 – IM-SFP-BX80-T157R149 – IM-SFP-BX80-T149R157 | <ul style="list-style-type: none"> – IMT-SFP-1000Base LX – IMT-SFP-1000Base SX – IM-SFP-1000Base ZX – IM-SFP-EX40 – IMT-SFP-100 FX – IM-SFP-1000Base TX – IMT-SFP-1000Base TX | – |
| Elba series | <ul style="list-style-type: none"> – Elba 260 | <ul style="list-style-type: none"> – IM-SFP-BX10-T149R131 – IM-SFP-BX10-T131R149 – IMT-SFP-BX40-T131R149 – IM-SFP-BX40-T155R131 – IM-SFP-BX40-T149R131 – IM-SFP-BX40-T131R155 – IM-SFP-BX80-T157R149 – IM-SFP-BX80-T149R157 | <ul style="list-style-type: none"> – IMT-SFP-1000Base LX – IMT-SFP-1000Base SX – IM-SFP-1000Base ZX – IM-SFP-EX40 – IMT-SFP-100 FX – IM-SFP-1000Base TX – IMT-SFP-1000Base TX | – IMT-SFP-10G10-LR |

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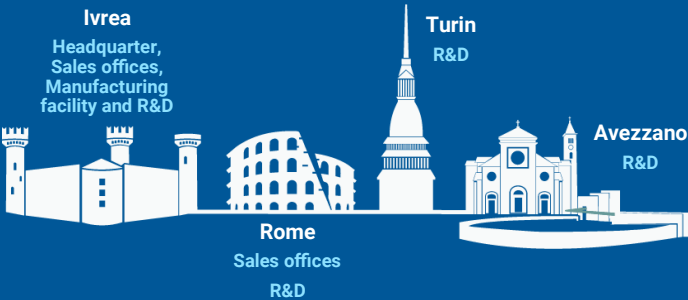
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