

# Industrial 1.25G SFP Modules

WI-SFP10S-3KM-I | WI-SFP10L-3KM-I | WI-SFP10S-20KM-I  
WI-SFP10L-20KM-I | WI-SFP20L-20KM-I | WI-SFP21L-550-I

## Overview

Wi-Tek Industrial 1.25G SFP transceiver modules are introduced to extend transferring distance up to 20km, which meets the distance demand for LAN. With built-in digital diagnostic monitoring, it allows access to real-time operating parameters. They are built to withstand harsh climate with temperature from -40°C to 85°C, which ensures normal operation in various environment. Users choose the SFP transceiver module based on the real demands.

## Features

- Plug and Play, Zero Configuration
- Hot Pluggable
- Digital Diagnostic Monitoring for Strong Diagnostic Capabilities
- High Compatibility
- Lower Power Consumption Less Than 1W
- Withstand Harsh Environment with Temperature -40°C~85°C (-40°F~185°F)



| Model                | WI-SFP10S-3KM-I                                                                                                                                                                                   | WI-SFP10L-3KM-I | WI-SFP10S-20KM-I | WI-SFP10L-20KM-I | WI-SPF20L-20KM-I                                  | WI-SFP21L-550-I                          |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|------------------|---------------------------------------------------|------------------------------------------|
| Data Rate            | 1.25Gbps                                                                                                                                                                                          |                 |                  |                  |                                                   |                                          |
| Max.Cable Length     | 3km                                                                                                                                                                                               |                 | 20km             |                  |                                                   | 550m                                     |
| Wavelength           | A: Tx1310nm/Rx1550nm<br>B: Tx1550nm/Rx1310nm                                                                                                                                                      |                 |                  |                  | 1310nm                                            | 850nm                                    |
| Transmitter Type     | FP                                                                                                                                                                                                |                 | DFB              |                  | FP                                                | VCSEL                                    |
| Receiver Type        | PIN/TIA                                                                                                                                                                                           |                 |                  |                  |                                                   |                                          |
| Tx power             | -9~-3dBm                                                                                                                                                                                          |                 |                  |                  |                                                   |                                          |
| Receiver Sensitivity | <-21dBm                                                                                                                                                                                           |                 | <-22dBm          |                  |                                                   | <-18dBm                                  |
| Power Consumption    | ≤1W                                                                                                                                                                                               |                 |                  |                  |                                                   |                                          |
| Power Supply         | 3.3V                                                                                                                                                                                              |                 |                  |                  |                                                   |                                          |
| Fiber Type           | Single-Mode                                                                                                                                                                                       |                 |                  |                  |                                                   | Multi-Mode                               |
| Connector            | Simplex SC                                                                                                                                                                                        | Simplex LC      | Simplex SC       | Simplex LC       | Duplex LC                                         |                                          |
| DDM                  | Supported                                                                                                                                                                                         |                 |                  |                  |                                                   |                                          |
| Protocol             | SFP MSA Compliant, MSA SFF-8472, IEEE802.3ah                                                                                                                                                      |                 |                  |                  | SFP MSA Compliant,<br>MSA SFF-8472,<br>IEEE802.3Z | SFP MSA,<br>MSA SFF-8472,<br>IEEE 802.3Z |
| Others               |                                                                                                                                                                                                   |                 |                  |                  |                                                   |                                          |
| Certification        | CE, FCC, UKCA, RoHS, RCM                                                                                                                                                                          |                 |                  |                  |                                                   |                                          |
| Environment          | Operating Temperature: -40℃ ~ 85℃ (-40°F ~ 185°F)<br>Storage Temperature: -40℃ ~ 85℃ (-40°F ~ 185°F)<br>Operating Humidity: 10% ~ 90% non-condensing<br>Storage Humidity: 5% ~ 90% non-condensing |                 |                  |                  |                                                   |                                          |



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Technical Support



Cloud Management



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