



### Introduction

TRICOM series of optical transmitter and receiver offer a wide selection of configurations, ranging from a simple setup with a single channel of a specific type of signal to sophisticated solutions with many channels of different signals (alarm). With the application of Wavelength Division Multiplexing (WDM) technology, all the signals are transmitted and received over a single optical fiber cable. The flexible configurations are open to customization and ODM to cater various needs. Optical alarm transmitter and receiver types range from small standalone devices to high port-density chassis systems that offer advanced features for centralized management. And fiber optic transmission, which is inherently secure and immune to outside interference, is favored in government, military, and medical environments.

### Feature

1. Robust metal casing
2. Lightning-proof solution
3. Low optical link loss – max 30dB
4. Without EMI, RFI and ground loop
5. Bi-di transmission on 1 fiber with WDM
6. Hot plug-and-play with switch power supply
7. Available in standalone and 3U rack systems

## Technical Specification

1-16 Channel Contact Closure	
Optical	
Wavelength	1310nm/1550nm
Output Power	-8~3dBm
Optic Fiber	Single mode (9/125um) 20Km to 80Km Multimode (50/125um) 1Km, ( 62.5/125um) 500m
Receiving Sensitivity	-30dBm
Interface	FC/ST/SC/LC
Contact Closure	
Signal Input	Alarm, Binary input, support TTL, RS-232/422/485 or passive switch button
Signal Output	Arbitrary alarm, Binary output, support TTL, RS-232/422/485 or relay output
Interface	Phoenix terminal
Electrical.Environmental.Mechanical	
Operating Voltage	Standalone:220VAC to 5V/12VDC, Rack: dual 220V/-48V AC, card: powered by chassis
Operating Temperature	-35°C ~ +75°C
Storage Temperature	-45°C ~ +85°C
Humidity	0~95% non-condensing
Dimension And Weight	Standalone and card: depends on different configurations, Chassis: 19"3U