

TN100-S / TN100-S-BT

Transceiver Management Module



Overview:

Precision's TN100-S and TN100-S-BT Transceiver Management Modules are compatible with Precision's Transceiver Tool, specifically designed for the configuration and rapid deployment of Precision's tunable DWDM SFP+ optics. The TN100-S and TN100-S-BT firmware will be automatically updated when a new release becomes available. Precision's TN100-S-BT is the Bluetooth® enabled TN100-S TMM that allows for optical tuning through the use of a mobile application. The device/application package is compatible across Apple and Android devices and allows for easy channel configuration of Precision's tunable optics.

Product Features:

- Tuning flexibility to any ITU C-band 50GHz or 100GHz spaced channels
 - Configure Precision tunable optics with compatibility to any OEM platform
 - Read diagnostic information from SFP+ devices
 - Compatible with Mac OS and Windows 10, 8, & 7
 - Powered and controlled over single USB connection (USB cable provided)
 - *Compatible with Android and Apple mobile devices
 - *Able to be controlled over Bluetooth® wireless connection
- * TN100-S-BT only

Product Ordering Information

Part Number	Description
TN100-S	Transceiver Management Module
TN100-S-BT	Transceiver Management Module, Bluetooth® enabled

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General Specifications:

Parameter	Min
Operating Voltage	5V via USB-C connector (can be powered by external battery, USB wall plug, or computer USB port)
Power Consumption	2.5 Watts Max
Operating Temperature	-20 C to 50 C
Storage Temperature	-35 C to 85 C
Dimensions	86mm L x 54mm W x 23mm H
Communications	USB 2.0 via USB-C port (PC) Bluetooth 5.0 Low Energy (PC/Mobile Device)
Transceiver Port Type	SFP/SFP+/SFP28
MTBF	40,000 insertions (estimated)* (*Point of failure in device is the mechanical SFP port receptacle)

Regulatory Compliance and Safety Information

Specification	Value
RoHS	2011/65/EU + (EU) 2015/863
US/Canada	
EMC	FCC CFR 47 Part 15, ICES-003
Safety	UL/CSA 62368-1: SGS #800841
Europe (CE)	
EMC	EN 55032, EN 55035
Safety	EN 62368-1

TN100-S / TN100-S-BT

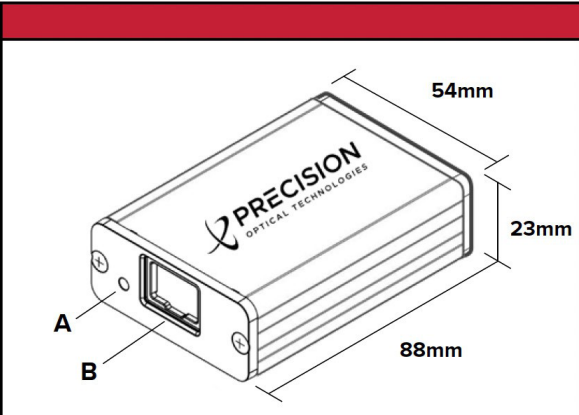
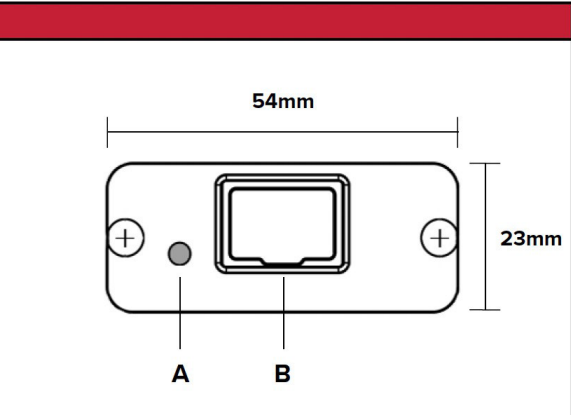
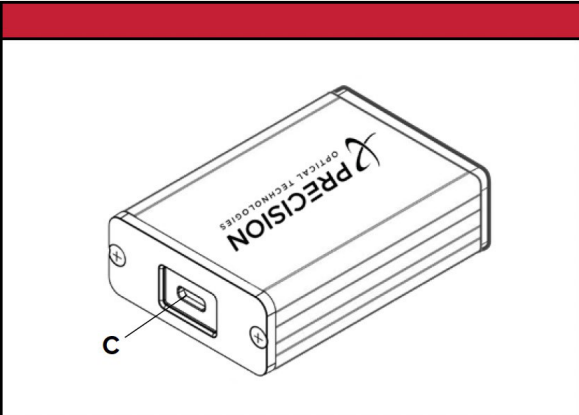
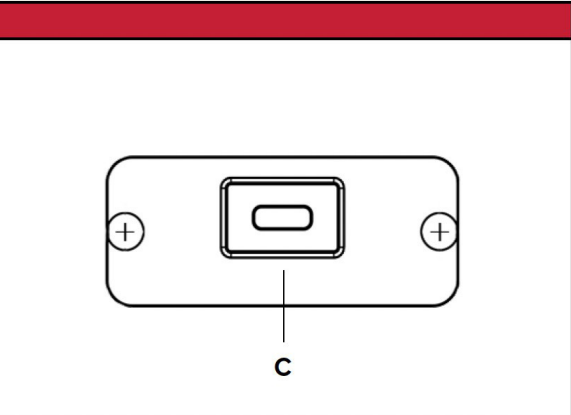
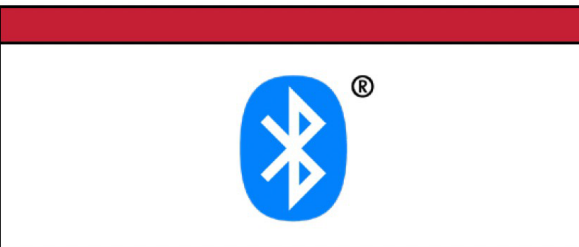
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Physical Diagrams And Labeling

- A.** Power ON/OFF LED
- B.** Transceiver port
- C.** USB-C port for power and/or PC connection

- D.** Part Number
- E.** Serial Number
- F.** SGS NRTL Safety Certification Mark

	
Top view of TN100-S / TN100-S-BT with USB-C port visible.	Front view of TN100-S / TN100-S-BT with transceiver port visible.
	
Top view of TN100-S / TN100-S-BT with USB-C port visible.	Back view of TN100-S / TN100-S-BT with USB-C port visible
	
Bluetooth® Sticker (TN100-S-BT models only)	Unique Identifier Information

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