

# TN100-S / TN100-S-BT TRANSCEIVER MANAGEMENT MODULE SPEC SHEET



## 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.

### Both modules provide the following features:

- Tuning flexibility to any standard 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)

### The TN100-S-BT TMM includes the following additional features:

- Compatible with Android and Apple mobile devices
- Able to be controlled over Bluetooth® wireless connection

## CONTENTS

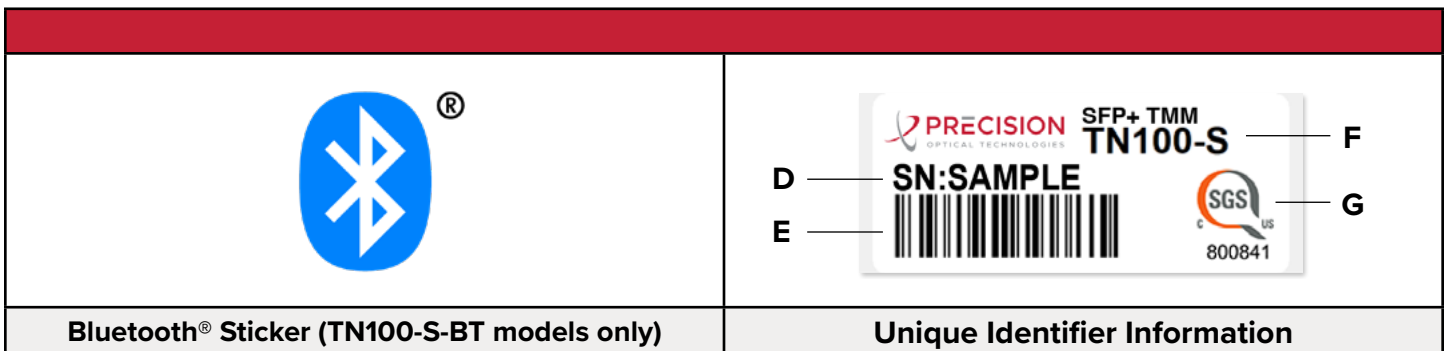
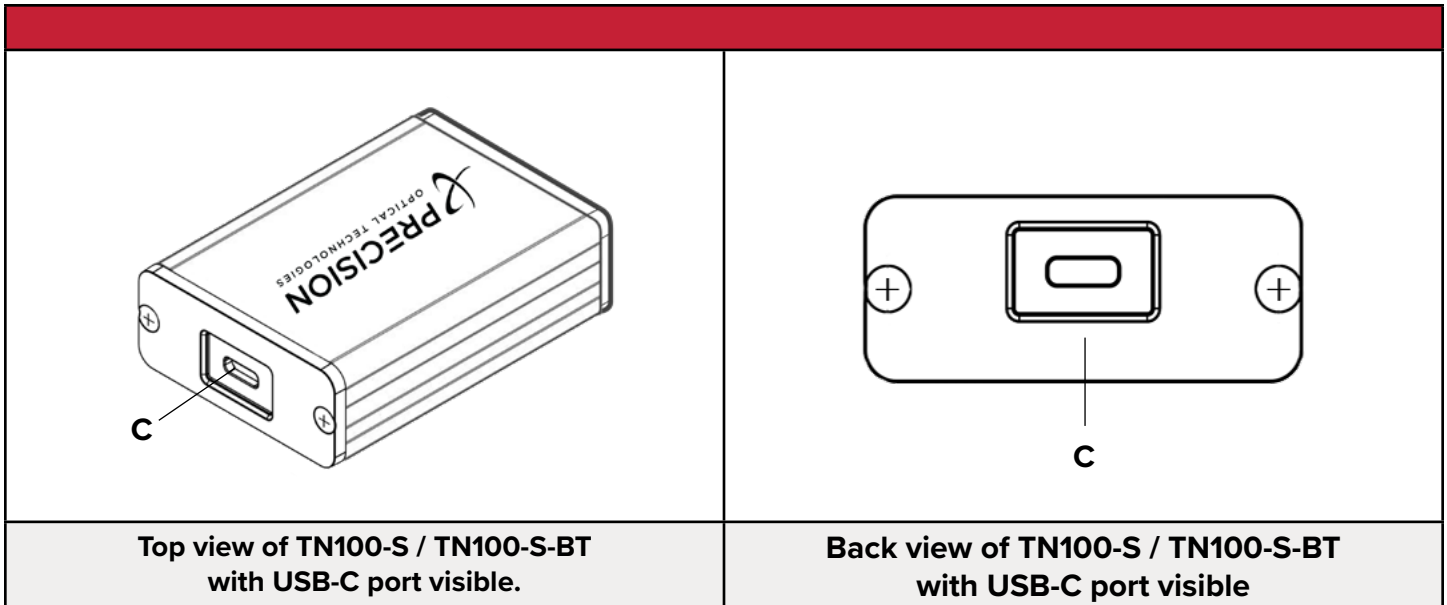
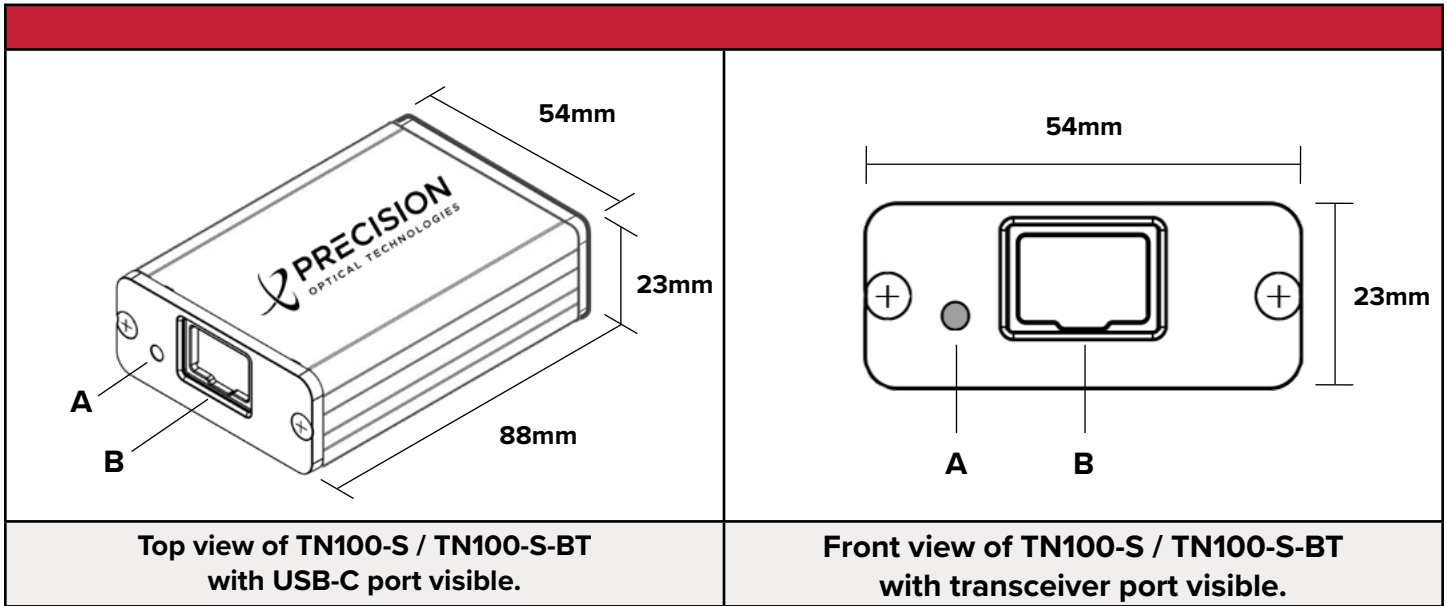
<b>Overview</b> .....	<b>1</b>
<b>Physical Diagrams and Labeling</b> .....	<b>2</b>
<b>Product Specifications</b> .....	<b>3</b>
<b>Regulatory Compliance and Safety Information</b> .....	<b>3</b>

## PHYSICAL DIAGRAMS AND LABELING

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

- D. Serial Number
- E. Serial Number Barcode
- F. Part Number

- G. SGS NRTL Safety Certification Mark



## PRODUCT SPECIFICATIONS

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

\*Point of failure in device is the mechanical SFP port receptacle

## REGULATORY COMPLIANCE AND SAFETY INFORMATION

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



Contains FCC ID: A8TBM70ABCDEF2GH

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAN ICES-3 (A)/NMB-3(A)  
Contains IC: 12246A-BM70BLES1F2