

**Model Name:**

**DEM-423XT Rev.A1**

**External Specification Version**

**v1.00**

**By:**

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## 1. Product Descriptions

The transceivers provide the necessary signal amplification for data to be transmitted to the network cable from the port, and vice versa, for the port to receive data from the network cable.

Applications of these transceivers include distributed multi-processing, Switch cascading, high-speed I/O file transfer, bus extension application, and channel extender/data storage.

All transceivers are hot swappable. You can remove or replace the transceiver with the system powered on. This permits modules and transceivers to be added or swapped without interrupting amplification for data to be transmitted to the network the network operation.

DEM-423XT is 10G XFP transceiver which plugged in optional 10G module.

## 2. Product Features

### 2.1 DEM-423XT Functions

- 10G Single-Mode 40KM XFP
- Complaint with 802.3ae 10GBASE-ER
- LC Port Types
- Wave Length: 1550  $\mu$  m
- Power Support: 3.3V/5V
- Output Optical Power
  - MAX.: +2 dBm
  - MIN.: -1 dBm
- Optical input Power-minimum (Sensitivity): -16 dBm
- Power Budget: 15 dBm

### 2.2 Mechanic & ID Design

#### 2.2.1 Case

- Dimensions: 77.95mm(L) x 18.35mm(W)x 11.45mm(H)

### 2.3 Physical & Environment

#### 2.3.1 Operation Temperature

- -5-70°C

#### 2.3.2 Storage Temperature

- -40-85°C

#### 2.3.3 Humidity

- 0 ~ 85%

**3. Safety Certifications:**

<b>Feature</b>	<b>Agency</b>	<b>Standard Certificate</b>
Laser Eye Safety	FDA/CDRH	CDRH 21 CFR 1040 and Laser Notice 50
Laser Eye Safety	TÜV	EN 60825-1: 1994+A11:1996+A2:2001 IEC 60825-1: 1993+A1:1997+A2:2001 IEC 60825-2: 2000, Edition 2
Electrical Safety	TÜV	EN 60950
Electrical Safety	UL/CSA	CLASS 3862.07 CLASS 3862.87