

Advantech AE Technical Share Document

| Date | 2018/04/30 | SR# | External |
|--------------------|--|------------|----------|
| Category | ■FAQ □ SOP | Related OS | N/A |
| Abstract | SFP with DDM Support List on Advantech Managed Switch | | |
| Keyword | Managed Switch, SFP, DDM | | |
| Related Product | EKI-7706E, EKI-7706G, EKI-7708E, EKI-7708G, KI-7710E, EKI-7710G, EKI-7712E, EKI-7712G, EKI-7716G, EKI-7720E, EKI-7720G, EKI-7428G, EKI-9612G | | |

■ Problem Description:

- 1. Why can't see any measured value of SFP on DDM diagnostic?
- 2. Does Advantech's SFP support DDM?

■ Answer:

DDM (Digital Diagnostic Monitor) is a kind of technology which can provide users real-time SFP detected value. Based on SFF-8472 (Industrial Standard Multilateral Protocol),
DDM-supported SFP should be able to monitor Temperature, Bias Current, RX Power, Voltage and TX Power which are related with SFP's health.

Advantech EKI-7700 series managed switch provide DDM diagnostics (**Fig.1**), users just select **DDM-supported SFP** the measured value would show up automatically once plugged in fiber port.

2. All Advantech's SFP do not support DDM but all *B&B fiber SFP support DDM*. Please refer below links to download B&B SFP datasheet.

B&B SFP Datasheet:

http://advdownload.advantech.com/productfile/PIS/BB-808-39010/Product%20-%20Datasheet/IE%20SFP-SFP+XFP%20Modules_1518ds20180412052459.pdf

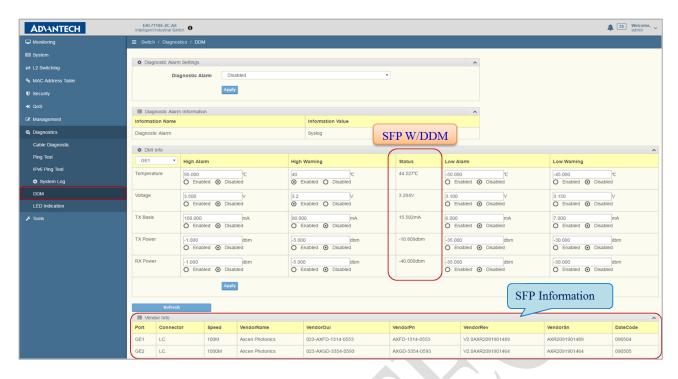


Fig.1. EKI-7700 Series DDM Diagnostics.