

Digital Monitoring Interface

(DMI)

DMI for SFP module means **Digital Monitoring Interface**. It is a feature defined in the **SFF-8472** standard that allows real-time **monitoring of the operational parameters** of an optical SFP module.

Switch FW: 71.15960 and higher

Metel SFP DMI support

BX-100-20-Wx-L NE

BX-1000-20-Wx-L YES

BX-10G-20-Wx YES

Measured parameters:

- **Optical output power** (TX power [mW, dBm])
- **Optical input power** (RX power [mW, dBm])
- **Module temperature** [°C]
- **Power supply voltage** [V]
- **Laser bias current** [mA]

Enabling diagnostics in the switch configuration

Ports/Diagnostic

	Enable the SFP diagnostic interface
G1	<input checked="" type="checkbox"/>
G2	<input checked="" type="checkbox"/>

Enabling this option may negatively affect the performance and response time of this device.

Note: Enabling diagnostics may cause larger responses especially on the RS485 bus, it is not recommended to have diagnostics permanently enabled.

Read status

Status/Ports/SFP

State	Supported
Baudrate	1000 Mbps
Vendor name	WWW.METEL.EU
Product name	BX-1000-20-W5-L
Wavelength [nm]	1550
Serial	F915020229
Date code	150917
Diagnostic Status	DMI Enabled
Temperature [C]	46.2
Voltage [V]	3.254
Tx Bias Current [mA]	10.0
Tx Power [mW]	0.257
Tx Power [dBm]	-5.887
Rx Power [mW]	0.232
Rx Power [dBm]	-6.332