

digital diagnostics monitoring

DDM (**D**igital **D**iagnosics **M**onitoring)is an internal working specification of the SFF Committee, an industry ad hoc group. Its also known as DOM Digital Optical Monitoring or as DDMI Digital Diagnostics Monitoring.

The enhanced digital interface enables a real time link to be established between the switch and the SFP transceiver. This enables the switch to access operating parameters within the fibre link. This includes digital features such as soft control and monitoring of SFP I/O signals. In addition the DDMI functionality enables the capability to implement digital alarms and warnings. The digital diagnostic monitoring interface enables users to have the capability of performing component monitoring, fault isolation and failure prediction tasks on their transceiver-based links. This feature ensures that the business can be proactive in preventative maintenance of the network and ensure business continuity.

DDMI Monitors:

- Temperature
- Supply voltage
- Transmitted bias current
- Transmitted power
- Received power

All features listed above include alarm and warning thresholds.