CLAIMS

1. A unidirectional data transfer system comprising:

a sender server from which information is to be transmitted;

a sender modified SFP+ module communicatively coupled with the sender server, the sender modified SFP+ module comprising:

an optical transmitter for receiving information from the sender server as input signal, the optical transmitter configured to generate and transmit a modulated signal based on the input signal;

an optical receiver electronically coupled with the optical transmitter as a loopback connection, the optical receiver continually receives the modulated signal and provides a feedback to the sender server;

a receiver server in which the modulated signal is to be received;

a receiver modified SFP+ module communicatively coupled with the receiver server and the sender modified SFP+ module, the receiver module comprises

an optical receiver for receiving the modulated signal from the optical transmitter of the sender modified SFP+ module and feeding the received modulated signal to the receiver server.

2. The unidirectional data transfer system as claimed in claim 1, wherein the optical transmitter is a laser driver having a laser diode.

3. The unidirectional data transfer system as claimed in claim 1, wherein the optical receivers have a photodiode.

4. The unidirectional data transfer system as claimed in claim 1, wherein the communication between the optical transmitter of the sender

modified SFP+ module and the optical receiver of the receiver modified SFP+ module is facilitated by optical fiber.

5. A sender modified SFP+ module adapted to transfer data in a unidirectional manner for use in a network for unidirectional data transfer system, the sender modified SFP+ module comprises:

an optical transmitter for receiving information from a sender server as input signal, the optical transmitter configured to generate and transmit a modulated signal based on the input signal;

an optical receiver electronically coupled with the optical transmitter as a loopback connection, the optical receiver continually receives the modulated signal from the optical driver and provides a feedback to the sender server;

thereby the sender modified SFP+ module functions as a unidirectional data transfer sender in the network for unidirectional data transfer.

6. The sender modified SFP+ module as claimed in claim 5, wherein the optical transmitter is a laser driver having a laser diode.

7. The sender modified SFP+ module as claimed in claim 5, wherein the optical receiver has a photodiode.