

Evaluation Module - M28500/29503/ 26910

Errata

Product Affected: M28500/29503/26910 Sonet Chipset Evaluation Module

The purpose of this document is to describe the following:

- SONET/SDH Functionality Change
- Requirement Changes
- DS3/E3 Framer on Board
- Part Revision Changes

SONET/SDH Functionality Change

Temporarily, SONET SDH functionality has been removed from the SONET Chipset Evaluation Module. Only electrical DS3 and E3 modes are operational (i.e. operating modes 1-6). The User Guide refers to the CX29610 device, which is not supplied with the board at this time, and therefore, all SONET/SDH-related modes and actions should be avoided.

Should the user attempt to use a SONET/SDH feature of the board, the results will be undefined and may hang the system.

Requirement Changes

Mindspeed Technologies no longer supplies an IBM PC compatible motherboard with the SONET Evaluation Module Board. The user must supply a PC that meets the following requirements:

- One empty PCI 2.1¹ compliant slot.
- Intel i8255x-based Ethernet card plus network cable.
- One floppy drive.

DS3/E3 Framer on Board

The Evaluation Module contains the CX28344 Quad DS3/E3 framer, and accompanying LIU units. This device is not supported by the EVM software, but may be used for direct HDLC over DS3/E3 functionality. The device is accessible via the CX28500 EBUS using such driver functions as `MlCn850xCopyUINT32RangeArrayToEBUS()`.

The "byteEnabled" value² used to access the CX28344 is 0xB.

Part Revision Changes

The Evaluation Module Board contains the following parts:

Part # - Rev	Quantity	Description	Data Sheet Reference
CX28500-12	1	1024-Channel HDLC Controller	28500-DSH-002-A
CX29503-13	1	DS3/E3 Broadband Access Multiplexer	29503-DSH-002-A
CX28344-11	1	Quad DS3/E3 Framer	28348-DSH-001-B
CX28333-18	1	Triple-port DS3/E3 LIU	28333-DSH-003-A
CX28332-18	2	Dual-port DS3/E3 LIU	28333-DSH-003-A

⁽¹⁾ PCI 2.1 compliant slots have both 5V and 3.3V power supplies. The EVM must have both.

⁽²⁾ This value is used as chip-select in the EVM board.