



## ETERNUS CUSTOMER INFORMATION BULLETIN

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**Number/Revision:**

ET-CIB097 Revision 04

**Issue Date:**

23 August 2019

**Title:**

Host Interface for the Copper Twinax Cables (iSCSI 10Gbit/s, Ethernet 10Gbit/s)

**Applies to:**

All ETERNUS DX and AF models with 10Gb iSCSI or Ethernet Interfaces

**Related Documents:**

**Effective Duration:**

Until further notice is given

**Summary:**

Copper Twinaxial (Twinax) cables for use with 10Gb iSCSI and Ethernet interfaces must be of Active type. Passive Copper Twinax cables cannot be used.

**Details:**

- The iSCSI 10Gbit/s host interface and the Ethernet 10Gbit/s host interface are types only available without SFP+ modules. Ordering SFP+ modules is not necessary when a Copper Twinax Cable is used for connections.
- Copper Twinax cables come with SFP+ modules that are attached to the ends of the cable. If an SFP+ module fails, the cable also needs to be replaced. When using the cables, maintenance work needs to be taken into consideration, especially for underfloor routing of the cables.
- When comparing the cost of the whole system including the server side, the cost can be reduced by using Twinax-compatible host interfaces.
- Copper Twinax cables can be used for connections of up to 10m. For long distance connections, use FC cables.
- Use Copper Twinax cables that are supported by the ETERNUS DX and the connection destinations (switches or servers). **Note that passive type Copper Twinax cables cannot be used.** Whether the following cables can be used depends on the connection destinations.



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Connection destination	Type	Product ID	Vender Product ID (*1)
Brocade VDX series Converged switches	Active, 1m	EBRTWX11	Brocade / 10G-SFPP-TWX-0101
	Active, 3m	EBRTWX31	Brocade / 10G-SFPP-TWX-0301
	Active, 5m	EBRTWX51	Brocade / 10G-SFPP-TWX-0501
Brocade 8000 switches	Active, 1m	EBRTWX01U	Brocade / XBR-TWX-0101
	Active, 3m	EBRTWX03U	Brocade / XBR-TWX-0301
	Active, 5m	EBRTWX05U	Brocade / XBR-TWX-0501
Cisco switches	Active, 7m	S26361-F4571-L107	Cisco / SFP-H10GB-ACU7M
	Active, 10m	S26361-F4571-L110	Cisco / SFP-H10GB-ACU10M
PRIMERGY servers PSWITCH 2048P	Active, 5m	S26361-F3989-L105	Fujitsu / T26139-Y4006-M5

\*1: Equivalent products can also be used

### Revision History

REVISION	DATE	CHANGE SUMMARY
00	12 Sep 2012	Initial Release from ET132
01	14 Nov 2012	Added more support information
02	15 Jul 2014	Updated table of supported cables and added ETERNUS DX S3 models
03	27 Oct 2015	Updated Product IDs in table
04	22 Aug2019	Complete revision based on P3AG-2112-EN