

FibreQuik Fibre Channel Host Bus Adapter For Windows NT/2000 User Guide

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Description

The Cambex FibreQuik™ Fibre Channel host bus adapters provide attachment of Fibre Channel devices to PCI based servers. They support the SCSI-FCP protocol.

When used with the Cambex Alternate Channel Failover software, two adapters in a system provide greater throughput and total protection from failure of a fibre channel loop.

Specifications

Model	PC2000	PC1000	
Data rate (each dir.)	200	100	MB/s
Cable length - copper	30	30	m
- multimode optical	500	500	m
- single mode optical	10	10	Km
Voltage	3.3 or 5	3.3 or 5	V
Power	7.2	6.5	W
Max adapters / host	16	16	
Max devices / adapter (AL)	126	126	
(Fabric)	254	254	
Shipping weight	10	10	oz

Trademarks

Centurion and FibreQuik are trademarks of Cambex Corporation.

Windows NT Installation Instructions

NT Driver Installation

Log into the system as Administrator and enter the Control Panel folder.

Select **SCSI Adapters**, the **Drivers** tab and **Add** a new driver.

Click on **Have Disk**. Click on **Browse** and select the drive letter of your CD. Double click on **winnt**. Double click on **oemsetup**. Click on **O.K.** Select **Cambex PC1000F PCI Fibre Channel Adapter** and click on **O.K.**

After installing the PC-1000 driver, the system will ask if you want to restart the computer. Select **No** and continue to Hardware Installation.

Hardware Installation

Power down the host server and install the adapter in a free PCI slot. If a 64-bit slot is not available, a 32-bit slot may be used. Make sure that cables do not block airflow. Observe proper static precautions.

Power up the host server.

Configuration

During power-up initialization, NT will find and configure the new adapter(s) and any attached storage.

Use Disk Administrator to format the storage and create filesystems.

Windows 2000 Installation Instructions

Hardware Installation

Power down the host server and install the adapter in a free PCI slot. If a 64-bit slot is not available, a 32-bit slot may be used. Make sure that airflow is not blocked by cables. Observe proper static precautions.

Power up the host server.

Windows 2000 Driver Installation

During power-up initialization, Windows 2000 will find new adapter(s).

Log into the system as Administrator

When Windows 2000 detects the newly installed device(s) by displaying the **Found New Hardware with SCSI controller** message, a second window will open, called **Found New Hardware Wizard**. This program will start the process of installing the HBA device driver for the newly detect device(s). Click **Next**.

Select **Search for a suitable driver for my device (recommended)** click **Next**.

Check the drive letter of your CD.

Click **Next**.

* Note the device driver installer should automatically assume the driver to be in the d:\w2k directory. If the drive letter of your

CD and the sub-directory \w2k is not displayed, make the necessary changes so that they are displayed.

On the **Drive Files Search Result** window, click **Next**

When the Digital Signature Not found screen appears, select **Yes**.

On the **Found New Hardware Wizard / Completing Found New Hardware Wizard** window, Click **Finish**

Configuration

To find the devices attached to the newly installed HBA(S)

Click **Start**

Select **Settings** on the Start bar

Select **Control Panel**

Click on **Administrative Tools** in the Control Panel

Click on **Computer Management**

Click on **Disk Management**

Right click Disk Management and select **Rescan Disks** (wait for all new disks to be found)

When asked to reboot the system select **YES**

Use **Disk Management** to format the storage and create filesystems.

Appendix A

Map of SCSI ID to arbitrated loop physical address (ALPA).

ID ALPA		ID ALPA		ID ALPA		ID ALPA	
0	EF	32	B2	64	72	96	3A
1	E8	33	B1	65	71	97	39
2	E4	34	AE	66	6E	98	36
3	E2	35	AD	67	6D	99	35
4	E1	36	AC	68	6C	100	34
5	E0	37	AB	69	6B	101	33
6	DC	38	AA	70	6A	102	32
7	DA	39	A9	71	69	103	31
8	D9	40	A7	72	67	104	2E
9	D6	41	A6	73	66	105	2D
10	D5	42	A5	74	65	106	2C
11	D4	43	A3	75	63	107	2B
12	D3	44	9F	76	5C	108	2A
13	D2	45	9E	77	5A	109	29
14	D1	46	9D	78	59	110	27
15	CE	47	9B	79	56	111	26
16	CD	48	98	80	55	112	25
17	CC	49	97	81	54	113	23
18	CB	50	90	82	53	114	1F
19	CA	51	8F	83	52	115	1E
20	C9	52	88	84	51	116	1D
21	C7	53	84	85	4E	117	1B
22	C6	54	82	86	4D	118	18
23	C5	55	81	87	4C	119	17
24	C3	56	80	88	4B	120	10
25	BC	57	7C	89	4A	121	0F
26	BA	58	7A	90	49	122	08
27	B9	59	79	91	47	123	04
28	B6	60	76	92	46	124	02
29	B5	61	75	93	45	125	01
30	B4	62	74	94	43	126	00
31	B3	63	73	95	3C		

Compliance Information

FCC Warning

This equipment has been tested and found to comply with the limits for a class A computing device pursuant to Part 15 of FCC rules which are designed to provide reasonable protection against interference when operating in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the users will be required to take whatever measures may be required to correct the interference at their own expense.

Changes or modifications of this device could affect the user's authority to operate this equipment.

Safety Notice

Do not use a laser GBIC with this card, unless it meets the safety requirements of a class 1 laser as specified by the US Food and Drug Administration Center of Drug and Radiological Health (CDRH) 21 CFR 1040.10 & 1040.11 and by IEC 825-1.

Trademarks

FibreQuik is a trademark of Cambex Corporation.

UL

The PC-1000 card is a UL recognized component.

Declaration of conformity

We, Cambex Corporation of Waltham, Massachusetts, USA, declare under our sole responsibility, that the products PC-1000, PC-1000F, MC-1000 and MC-1000F are in conformity with the following standards:

EN 55022:1994/A1:1995/A2:1997 Class A ITE emissions requirements
EN 50082-1:1992 EMC residential, commercial and light industrial generic immunity standard

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.