

# Release Note

for  
**DataFire Primary PCI**



<b>Operating System:</b>	Windows NT		Windows 2000		NetWare
<b>Version:</b>	v. 4.1.1		v. 4.2.0		v.4.1.1
<b>Date:</b>	November, 1999		March, 2000		November, 1999
<b>Product/Part:</b>	40001664 F		40002075 B		40001663 F

## Features

### Note:

Unless otherwise mentioned, all features work with the above mentioned operating systems.

### Connectivity:

- PCI-Bus S<sub>2m</sub> (PRI), E1 (PCM 30) and T1 (PCM 24)
- CAPI V1.1 Profile A / CAPIplus V 1.4 / CAPI V2.0

### Network protocols:

- DSS1 (Euro-ISDN), ITR6,
- Q.931, ECMA Q.SIG, Cornet-N, Cornet-T, 5ESS, 4ESS (call-by-call without SDN), DMS-100, TS013, DSS1-NL, DSS1-TK (used for switches, that do not support „sending complete“ e.g. HICOMI)

### Leased line support:

(Germany)

- Leased line with D channel  
see also CAPI2.0 ext. Features

### Line support:

- Point to Point (DDI with DSS1)

### Approvals:

- CE Europe

### Extended features:

- **V.42bis** compression on up to 30 channels (with block size = 2048 bytes)
- **ITK** compression on up to 30 channels
- **ESS** Extended Security Service
- **Watchdog** check on board (connection clearing, if the PC did not answer)

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### CAPI-1.1 options:

- **V.110** asyn. 9600-38400 bit/s
- **DTMF** recognition (including fax tone recognition)
- **X.25** (ISO 8208) and **T.90** with multiple logical connection useable for Euro File Transfer and FaxG4 in accordance to ETSI spec.
- **DDI Support** (Direct Dialling In “Durchwahlfähigkeit”(NT1))
- **MVIP** support
- **MSN<->EAZ** Mapping

### CAPI1.1 ext. Features

- **PPP** following RFC 1548, Basic functionality, IP&IPX
- **X.31 B-Channel** Case A (no bitrateadaption) & Case B (only for use with certified PBXs)
- **MLP** channel bundling via software

### CAPI1.1 OS support:

- SCO, NetWare, WinNT (with special handling), Windows 2000 (with special handling)

### CAPI2.0 options:

#### B1-Protocol

- 64 Kbit/s HDLC framing
- 64 Kbit/s bit transparent
- V.110 asynchron
- V.110 synchron (for 56 Kbit/s HDLC framing)

#### B2-Protocol

- ISO 7776 (X.75 SLP)
- Transparent

#### B3-Protocol

- Transparent
- T.90NL
- ISO 8208 (X.25 DTE-DTE)

### CAPI2.0 ext. Features:

- MVIP support
- support of HLC/LLC/BC
- support of SEL\_B\_PROTOCOL
- support of subaddressing
- support of Additional Info (partly)
- DDI support
- DTMF support
- support of INFO\_REQ
- CONNECT\_B3\_T90\_ACTIVE messages
- selection of number of B channels (without D channel – only 64 kbit/s bandwidth/channel)
- selection of B-Channels (leased line - ITK prop.)
- information of connected channel
- early B3 connect
- support of Supplementary Services HOLD/CF/CD/ECT
- change of B channel direction

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### **CAPI2.0 OS support:**

- SCO, NetWare, Windows NT, Windows 2000

### **Memory required:**

- 8 MB

### **WAN Miniport: ( only Windows NT and Windows 2000 )**

#### **Transmission protocols**

- HDLC transparent (standard PPP)
  - X.75 (PPP over X.75)
  - V.110
  - V.120 (not supported by firmware)
  - Modem (not supported by firmware)
  - Modem via DigitalModem or MultiModem
- Indication of own MSN on outgoing calls
  - Call acceptance on particular MSN (Accepted MSN)
  - D channel callback
  - DDI
  - Prepared for Digi SecurId RAS-extension (Client and Server)
  - UDD support