

Release Note

for

DataFire Micro 3.0 / Micro PCI / Micro V / Pico



Operating System:	Windows 9x		Windows NT		Windows 2000
Version:	v. 3.00		v. 3.00		v. 3.00
Date:	February, 2000		February, 2000		February, 2000
Product/Part:					
DataFire Micro 3.0:	40002005 C		40002017 C		40002097 A
DataFire Micro PCI:	40002006 C		40002018 C		40002098 A
DataFire Micro V:	40002093 A		40002094 A		40002095 A
DataFire Pico:	40002012 C		40002020 C		40002096 A

Features

Note:

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

Connectivity:

- ISA-Bus Plug and Play S₀ (BRI) **DataFire Micro**
- PCI-Bus S₀ (BRI) **DataFire Micro PCI**
- PCMCIA S₀ (BRI) **DataFire Pico** (driver autodetection of ISAC/HSCX and IPAC Pico)
- PCI-Bus Version 2.2 (5V and 3.3V support), S₀ (BRI) **DataFire Micro V**
- WAN Miniport driver (32 bit)

Win NT and Windows 2000 only:

- CAPI V2.0 (16 bit CAPI20.DLL, 32 bit CAPI2032.DLL and 32 bit device driver interface)

Win 9x only:

- CAPI V2.0 (16 bit CAPI20.DLL, 32 bit CAPI2032.DLL, 32 bit VXD-Interface, no INT F1)

Network protocols:

- DSS1 (Euro-ISDN), 5ESS, NI-1, DMS-100, INS-64, TPH 1962

Line support:

- Point to Multipoint
- Point to Point

Powermanagement:

Win 98 only:

- Support of Suspend/Resume

Windows 2000 only:

- Support of Hibernate and Standby
- DataFire Micro V supports "Wake-On-Ring" via #PME on the PCI bus with all power states including D3-cold if the Motherboard supports the ACPI standard.

Approvals:

- **DataFire Micro:** Europe (CE 0682X) / USA / Canada
- **DataFire Micro PCI:** Europe (CE 0682X)
- **DataFire Pico:** Europe (CE 0682X)
- **DataFire Micro V:** Europe (CE 0682X) / USA / Canada

CAPI2.0 Support:

Release Note

for

DataFire Micro 3.0 / Micro PCI / Micro V / Pico



B1-Protocol

- 64 Kbit/s HDLC framing
- 64 Kbit/s bit transparent with byte framing from the network
- V.110 asynchronous operation with start/stop byte framing
- V.110 synchronous operation (for 56 Kbit/s HDLC framing)
- T.30 modem for FAX group 3
- 56 Kbit/s bit transparent with byte framing from the network
- Modem with full negotiation
- Modem asynchronous operation with start/stop byte framing
- Modem synchronous with HDLC framing

B2-Protocol

- ISO 7776 (X.75 SLP)
- Transparent
- LAPD according Q.921 for D-Channel X.25 (X.31)
- T.30 for FAX group 3
- Modem with full negotiation
- V.120 asynchronous mode

B3-Protocol

- Transparent
- T.90NL with compatibility to T.70NL according to T.90 Appendix II
- ISO 8208 (X.25 DTE-DTE)
- T.30 for FAX group 3
- T.30 for FAX group 3 with extensions
- Modem

Extended features:

D channel

- fixed TEI configuration support
- Point to Point configuration support
- Layer 2 permanent switchable via registry key
- Auto SPID detection support for NI-1 protocol
- S0 Termination switchable for DataFire Micro PCI (Relais variant) via registry key
- Automatic overlap sending for called party numbers longer than 20 digits

Win 9x only:

- Full line monitoring support (with D channel protocol 8000, modified hardware required)

B channel

- B1 protocol 64 kbit/s bit transparent with variable blocksize
- B1 protocol 56 kbit/s bit transparent with variable blocksize
- B channel loop switch option (with D channel protocol 8001)
- Extended Security Services (ESS) support (DataFire Pico)

CAPI

- INFO_IND broadcasting support
- INFO_IND support for DDI
- INFO_REQ support for overlap-dialling
- FACILITY_XXX support for DTMF
- CONNECT_IND broadcasting support
- CONNECT_XXX HLC, LLC, BC support
- CONNECT_XXX Additional Info support

Release Note

for

DataFire Micro 3.0 / Micro PCI / Micro V / Pico



- CONNECT_XXX subaddressing support
- CONNECT_B3_T90_ACTIVE_IND support
- SELECT_B_PROTOCOL_REQ support
- Early B3 Connect support

Application

- D channel monitor application (DCM) support

General

Win 9x only:

- Mtrace interface support (for T.30 and MODEM)

Win NT and Windows 2000 only:

- Multi Processor Systems support

Softfax

- Lines: 2 B channels
- Speed: max 14400 bit/s
- Resolution: standard and high
- Transfer: error correction mode (ECM)
- Coding Method: MH, MR, MMR
- Voice Coding: a-law, u-law

Softmodem

- Lines: 1 B channel
- Speed: max. V.34 (28800 bit/s)
- Error correction: V.42
- Compression: V.42bis

CAPI2.0 OS support:

- Win 9x, Win NT, Windows 2000

WAN Miniport:

Transmission protocols

- HDLC transparent (standard PPP)
- X.75 (PPP over X.75)

Win NT and Windows 2000 only:

- V.110
- V.120
- Modem

- Indication of own MSN on outgoing calls
- Call acceptance on particular MSN (Accepted MSN)

Win NT only:

- Prepared for Digi SecurId RAS-extension (Client and Server)