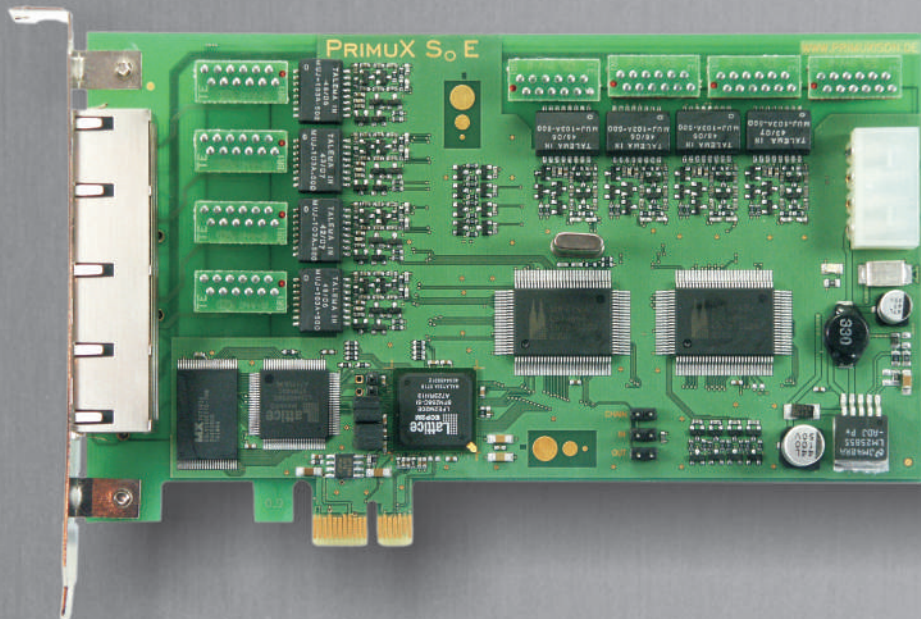


**NEW: PCI Express**



# PRIMUX

PROFESSIONAL COMMUNICATION

## Performance for all applications

With the PrimuX a series Gerdes offers a complete range of ISDN server adapters. Currently there are 25 high end server adapters available.

Starting from 2 channels up to 120 channels per adapter for USB, PCI or - new - PCI Express PrimuX is always the ideal solution for your communication needs.

Gerdes develops and manufactures ISDN adapters since more than 15 years. This is unique competence, PrimuX users all over the world rely on in their daily business.

TV votings searching for tomorrow's stars, daily radio gameshows, telephone based opinion surveys of leading institutes, Callcenters serving their customers, train control throughout Europe, companies using VoIP or fax servers, police department broadcast systems, emergency call systems in hospitals, all have one thing in common: **PrimuX is the professional solution!**

Well-known software companies have certified the PrimuX adapters to be compatible with their products. This is R&D competence you can rely on.

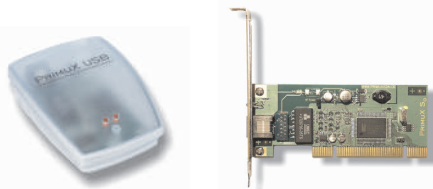
## **NEW: PrimuX S<sub>2M</sub> E and PrimuX S<sub>0</sub> E**

Now new PCI Express versions of PrimuX adapters are available (from 4 up to 120 channels per adapter). The PrimuX S<sub>2M</sub> E versions are designed in low profile and can be used in high density rack mount PCs.

## Technical details

- Supported OS versions: Windows 98, ME, 2000, XP, Server 2003, Vista, Server 2008, Linux, single- and multi processor platforms, 32 and 64 bit systems
- Dual-mode CAPI 1.1/2.0, integrated network CAPI, configuration utility
- Port density range from 2 up to 120 (PCI Express: 4-120) channels per adapter
- All PrimuX adapters can be combined in one PC
- Speech communication without audible delays and echoes (typ. delay 8 ms).
- Up to 60 parallel fax transmission/receptions on one PC. Fax polling, compression (MR, MMR), ECM, DTMF and progress tone detection. Max. transmit and receive rate 14.400 Bit/s
- Implementation of all ISDN supplementary services: Caller identification (CLIP, CLIR, COLP, COLR, KEY, MSN, DDI, SUB), call transfer (TP, CFU, CFB, CFNR), call completion (CW, HOLD, ECT), advise of charge (AOC), 3-party conference, complex conferences.
- External protocols: DSS1, 1TR6, NI-2, Q.SIG
- Protocols: X.25, X.75, transparent, HDLC transparent, V.110, T.30, T.70 NL, T.90 NL, ISO 8208, LAPD
- 5 years premium warranty

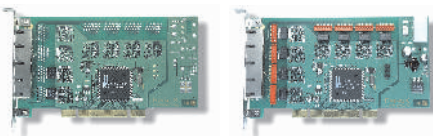




**PrimuX USB** **No. 2110**  
ext. ISDN adapter for 1 BRI (S<sub>0</sub>)

**PrimuX S<sub>0</sub>** **No. 2109**  
ISDN adapter (PCI) for 1 BRI (S<sub>0</sub>)

**PrimuX S<sub>0</sub> NT** **No. 2111**  
TE and NT (incl. line power) for 1 x S<sub>0</sub>



**PrimuX 2S<sub>0</sub>** **No. 2103**  
ISDN controller, 2 BRI (2 x S<sub>0</sub>)

**PrimuX 4S<sub>0</sub>** **No. 2104**  
ISDN controller, 4 BRI (4 x S<sub>0</sub>)

**PrimuX 8S<sub>0</sub>** **No. 2105**  
ISDN controller, 8 BRI (8 x S<sub>0</sub>)

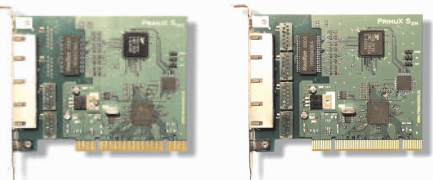
**PrimuX 2S<sub>0</sub> NT** **No. 2303**  
TE and NT (incl. line power) for 2 x S<sub>0</sub>

**PrimuX 4S<sub>0</sub> NT** **No. 2304**  
TE and NT (incl. line power) for 4 x S<sub>0</sub>

**PrimuX 8S<sub>0</sub> NT** **No. 2305**  
TE and NT (incl. line power) for 8 x S<sub>0</sub>

**PrimuX 8S<sub>0</sub> Patchpanel** **No. 2309**  
Breakout box for PrimuX 8S<sub>0</sub> (NT) controller

**PrimuX AE2** **No. 2112**  
External analog adapter for one PrimuX S<sub>0</sub>-  
NT port, connects 3 analog devices (e.g. fax)



**PrimuX S<sub>2M</sub>** **No. 2101**  
for 1 primary rate access port (1 x S<sub>2M</sub>)

**PrimuX 2S<sub>2M</sub>** **No. 2102**  
for 2 primary rate access ports (2 x S<sub>2M</sub>)

**PrimuX S<sub>2M</sub> NT** **No. 2301**  
Like 2101, port can be configured for NT/TE

**PrimuX 2S<sub>2M</sub> NT** **No. 2302**  
Like 2102, ports can be configured for NT/TE

**PrimuX 4S<sub>2M</sub>** **No. 2113**  
for 4 primary access ports (4 x S<sub>2M</sub>), NT/TE

## Home / small office

Small companies and advanced private users create PBXs, VoIP gateways and small fax solutions with these controllers. Reliability, quality and features are key reasons for using PrimuX.

## Advanced applications

These server controllers offer the maximum port density for multi-BRI (S<sub>0</sub>) applications. Commonly used for fax servers, call distribution systems and small switches in business applications

The NT versions can be used to build powerful PC based PBXs at very reasonable cost. In this application the internal BRI ports are realized with PrimuX ports configured for NT mode. The NT versions are also the ideal basis for VoIP-Gateways.

Hot plugging and compatibility in all PCIe slots make PrimuX PCI Express adapters the perfect solution for performance and reliability. Busmastering offers a low CPU load for high density applications.

Our new Patchpanel for PrimuX 8S<sub>0</sub> (NT) adapters eases the connection in rack environments. PrimuX AE2 allows the connection of analog devices (e.g. fax) to PrimuX NT ports.

## High end applications

High density faxservers, voting systems, chat rooms, switching systems and call center solutions are typical applications for the top line of PrimuX server controllers.

These controllers are capable of handling up to 60 fax channels simultaneously on a standard PC. Busmastering and special hardware allow minimal delays (and echoes) for all kind of voice applications.

PrimuX server controllers offers unique performance for switching and call forwarding applications (call through, callback), switching systems, voting applications and premium rate services. High density, low PC load and reliability made PrimuX the standard choice in these applications.

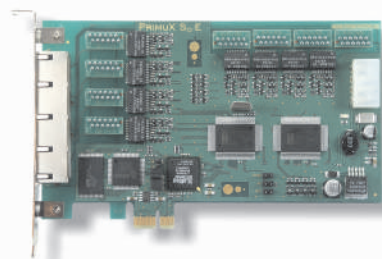
The new PrimuX PCI Express S<sub>2M</sub> controllers are low profile adapters. They are shipped with standard and low profile brackets.

The NT versions are ideal for VoIP gateways and simulation of E1/T1 ports at a reasonable price.

## Package contents

- PrimuX server controller
- Cable set
- Complete driver suite
- Configuration and trace tools
- Documentation

## NEW: PCI Express



**PrimuX 2S<sub>0</sub> E** **No. 2403**  
ISDN controller, 2 BRI (2 x S<sub>0</sub>)

**PrimuX 4S<sub>0</sub> E** **No. 2404**  
ISDN controller, 4 BRI (4 x S<sub>0</sub>)

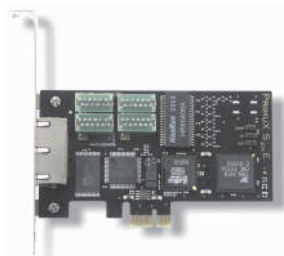
**PrimuX 8S<sub>0</sub> E** **No. 2405**  
ISDN controller, 8 BRI (8 x S<sub>0</sub>)

**PrimuX 2S<sub>0</sub> E NT** **No. 2603**  
TE and NT (incl. line power) for 2 x S<sub>0</sub>

**PrimuX 4S<sub>0</sub> E NT** **No. 2604**  
TE and NT (incl. line power) for 4 x S<sub>0</sub>

**PrimuX 8S<sub>0</sub> E NT** **No. 2605**  
TE and NT (incl. line power) for 8 x S<sub>0</sub>

## NEW: PCI Express



**PrimuX S<sub>2M</sub> E** **No. 2401**  
for 1 primary rate access port (1 x S<sub>2M</sub>)

**PrimuX 2S<sub>2M</sub> E** **No. 2402**  
for 2 primary rate access ports (2 x S<sub>2M</sub>)

**PrimuX S<sub>2M</sub> E NT** **No. 2601**  
Like 2401, port can be configured for NT/TE

**PrimuX 2S<sub>2M</sub> E NT** **No. 2602**  
Like 2402, ports can be configured for NT/TE

**PrimuX 4S<sub>2M</sub> E** **No. 2413**  
for 4 primary access ports (4 x S<sub>2M</sub>), NT/TE