

# **COMMON-ISDN-API**

**Version 2.0**

**CAPI Profile Extensions  
for PrimuX Adapters**

**September 2005**

**CAPI\_GET\_PROFILE**

CAPI\_GET\_PROFILE is used to obtain information on **COMMON-ISDN-API**'s implemented capabilities. This operation fills in a buffer with the following structure:

<b>Type</b>	<b>Description</b>
2 bytes	Number of controllers installed, least significant byte first
2 bytes	Number of supported B-channels, least significant byte first
4 bytes	Global Options (bit field): [0]: Internal controller supported [1]: External equipment supported [2]: Handset supported (external equipment must also be set) [3]: DTMF supported [4]: Supplementary Services supported (see Part III) [5]: Channel allocation supported (leased lines) [6]: Parameter <i>B channel operation</i> supported [7]: Line Interconnect supported [8]: Broadband Extensions (see Part V) [9]: Echo cancellation supported [10]...[31]: reserved
4 bytes	B1 protocols support (bit field): [0]: 64 kbit/s with HDLC framing, always set. [1]: 64 kbit/s bit-transparent operation with byte framing from the network [2]: V.110 asynchronous operation with start/stop byte framing [3]: V.110 synchronous operation with HDLC framing [4]: T.30 modem for Group 3 fax [5]: 64 kbit/s inverted with HDLC framing. [6]: 56 kbit/s bit-transparent operation with byte framing from the network [7]: Modem with all negotiations [8]: Modem asynchronous operation with start/stop byte framing [9]: Modem synchronous operation with HDLC framing [10]...[31]: reserved
4 bytes	B2 protocol support (bit field): [0]: ISO 7776 (X.75 SLP), always set [1]: Transparent [2]: SDLC [3]: LAPD in accordance with Q.921 for D channel X.25 (SAPI 16) [4]: T.30 for Group 3 fax [5]: Point-to-Point Protocol (PPP) [6]: Transparent (ignoring framing errors of B1 protocol) [7]: Modem error correction and compression (V.42 bis or MNP5) [8]: ISO 7776 (X.75 SLP) modified supporting V.42 bis compression [9]: V.120 asynchronous mode [10]: V.120 asynchronous mode supporting V.42 bis [11]: V.120 bit-transparent mode [12]: LAPD in accordance with Q.921 including free SAPI selection [13]...[31]: reserved

4 bytes	B3 protocol support (bit field): [0]: Transparent, always set [1]: T.90NL with compatibility to T.70NL in accordance with T.90 Appendix II. [2]: ISO 8208 (X.25 DTE-DTE) [3]: X.25 DCE [4]: T.30 for Group 3 fax [5]: T.30 for Group 3 fax with extensions [6]: reserved [7]: Modem [8]..[31]: reserved
24 bytes	reserved for <b>COMMON-ISDN-API</b> use
2 bytes	Config flags (bit field): [0]: Controller is configured for NT mode [1]: Controller is configured for PTP mode [2]: Controller is currently present [3]..[15]: reserved
2 bytes	Adapter type:  0xCC12 PrimuX USB 0xB172 PrimuX 1S2M 0xB172 PrimuX 1S2M 0xD2DA PrimuX T1 1S2M 0x94BF PrimuX 2S2M 0xF717 PrimuX T1 2S2M 0xDD3A PrimuX 1S2M NT 0x7554 PrimuX 2S2M NT 0x5B12 PrimuX T1 1S2M NT 0xF37C PrimuX T1 2S2M NT 0x5B56 PrimuX 1S2M II 0xF338 PrimuX 2S2M II 0xA989 PrimuX 1S2M II NT 0xDDE0 PrimuX 2S2M II NT 0xDF25 PrimuX 4S2M 0x4B65 PrimuX S0 0x15CF PrimuX 2S0 0xC316 PrimuX 4S0 0x66B5 PrimuX 8S0 0x6098 PrimuX 2S0 NT 0x7862 PrimuX 4S0 NT 0x4996 PrimuX 8S0 NT 0xD3BE PrimuX S0 II 0xE6F4 PrimuX 2S0 II 0xFE0E PrimuX 4S0 II 0xCFFA PrimuX 8S0 II 0x99F0 PrimuX 2S0 II NT 0x3DEF PrimuX 4S0 II NT 0x7DC0 PrimuX 8S0 II NT
2 bytes	OEM specific code
4 bytes	Adapter serial number
10 bytes	Manufacturer-specific information

CAPI\_GET\_PROFILE structure format

An application must ignore unknown bits. COMMON-ISDN-API sets every reserved field to 0.