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# CHIPDRIVE® micro

CHIPDRIVE® extern

CHIPDRIVE® intern

CHIPDRIVE® twin

CHIPDRIVE® keyboard

CHIPDRIVE® mobile



## Short description

This miniature smartcard terminal is fully compatible with the CHIPDRIVE family. The high quality contacting mechanism protects your smartcards. A red indicator light is integrated.

- high quality friction contacts
- T=0, T=1, 2-wire, 3-wire, I<sup>2</sup>C (up to 256 kBit), and special security memorycards
- fully ISO7816 and EMV compatible
- RS232 Interface
- 100.000 mating cycles
- comprehensive driver support
- PC/SC compatible
- power sharing from keyboard port

Designed for



Microsoft®  
Windows®2000  
Professional  
Windows® 98



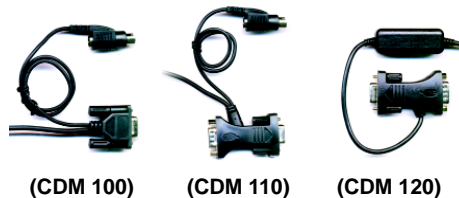
**TOWITOKO**  
German Technology

# CHIPDRIVE® micro

Interface	PC, serial connection RS232, V.24
Power supply	see table
Display	red status LED
Dimensions	66 x 48 x 11 mm
Body color	RAL 7035 (light gray)
Connection cable	120 cm, 9 pol. SUB-D, black
Mass	see table
EMI compatibility	CE 89/336
Temperature range	-10 to +50 °C
Card interface life	100,000 mating cycles
Contact material	gold plated brass
Standards	ISO 7816-3 ff., EMV3.0, GSM11.11 PC/SC-Logo
Card frequency	3,57 MHz
Card current supply	0 to 55 mA
Protocols	T=0, T=1, 2-Wire, 3-Wire, I2C, over 40 memory card types
Interface speed	T=0: 4800 .. 38400 Baud (PTS) T=1: 4800 .. 115200 Baud (PTS) Sync. protocols: 4800 .. 115200 Baud
CPU type	4 MHz Microchip controller
System compatibility	Windows® 3.11, Windows® 95, 98, ME Windows NT® Windows® 2000
API standards	PC/SC Microsoft 2000, NETS (Singapore), OCF (OpenCard Framework), CT-API V1.1 - MKT/BCS - partial B1 command set - EUTELIS compatible SCARD interface ORGA emulation (T=1)
Special features	Plug & Play compatible; integrated mouse passthru; two M3 mounting threads; non-polluting NiMH
Application software (optional)	SIM-Surf® ValueCard Station (GeldKarte), SmartCard Explorer, PC-Security with NT-Login Time Attendance InternetCard (Internet ID) PasswordCard
OEM-packaging	PE-bag 120 x 160 mm, certificate of Quality
Shipping contents	CHIPDRIVE micro, connection cable as shown,
Shipping units	6 pcs. per cardboard box, 16 boxes per palette



CDM	100	110	120
Power supply	PS/2	PS/2	Akku
Protocols	T=0 T=1 Memorycard	T=0 T=1 Memorycard	T=0 T=1 Memorycard
Speed	13000	9600-115200	9600-115200
Mouse splitter	NO	YES	YES



(CDM 100)

(CDM 110)

(CDM 120)