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# CHIPDRIVE® mobile

CHIPDRIVE® extern

CHIPDRIVE® micro

CHIPDRIVE® twin

CHIPDRIVE® keyboard

CHIPDRIVE® intern



## Short description

This portable smartcard terminal features a large LC display yet small enough to fit every pocket. The easy to operate membrane keypad allows the entry of numbers (e.g. PIN) and characters (as on a telephone keypad).

- high contrast, graphics capable LC display (128 x 64 pixels)
- easy to clean, low operation force membrane keyboard (16 keys including cursor)
- battery life about 250 hours continuous use (standby about 2 years)
- firmware download at any time with service smartcard
- built in buzzer
- IrDA Interface
- SAM socket (plugin-SIM)
- economical priced

Designed for



Microsoft®  
Windows®2000  
Professional  
Windows®98



**TOWITOKO**  
German Technology

# CHIPDRIVE® mobile

Interfaces	one card interface for standard cards, one card interface for mini-SIM cards,(optional) IrDA-Interface (proprietary protocol)
Power supply	two AAA-size batteries
Display	LCD, 128 x 64 pixel, graphics capable TrueType fonts, bitmaps
Keyboard	16 key membrane keyboards menu keys and digit keys
Dimensions	110 x 78 x 20 mm
Body color	dark blue
Mass	150 grams
EMI Compliance	CE 89/336
Temperature range	-10 to +50 °C
Card interface life	200.000 insertion cycles landing contacts
Contact material	gold plated brass
Standards	ISO 7816-3, EMV3.0, GSM11.11
Card frequency	3,57 MHz
Card power supply	2 x 0 to 25 mA
Protocols	T=0, T=1, 2-Wire, 3-Wire, I2C
CPU type	4 MHz Microchip controller
Battery life years standby	250 hours continuos operation or 2 years standby
Program- / Data- memory	8 to 256 Kbyte EEPROM
Additional memory	0 to 4 Mbyte RAM or FLASH for data tables
Real time clock	date, alarm functions
Special features	two independent reader units large graphics display rugged housing for field use compact size
price	of abt. 80 \$US @ 10 K pcs.
Accessories	download service cards Windows compiler docking station with IrDA PC interface
OEM-Packaging	cardboard box 120 x 85 x 40 mm
Shipping contents	CHIPDRIVE mobile; two batteries (AAA-size); short instruction guide

