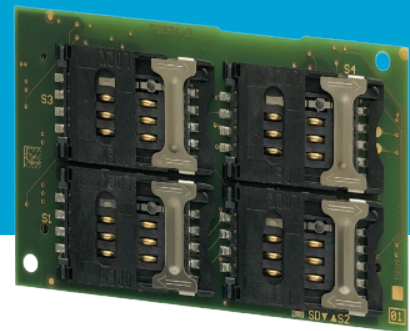


cVEND extension boards

SAM Extension Board

- Piggyback Extension module for cVEND plug
- Tailored for Public Transport Applications
- High vibration resistance for use in buses & trains
- Extends cVEND plug with the following interfaces
 - 4 robust SAM sockets (ID000 format)
 - 1 socket for μ SD memory cards



With the cVEND extension boards, the contactless payment system cVEND plug can be expanded for a wide range of applications.

The extension boards are mechanically and electronically tailored to cVEND plug and can simply be plugged onto the extension plugs of the terminal.

Usage of the Vending Extension Board in combination with the cVEND plug is possible with or without the cVEND module housing.

The cVEND SAM Extension Board was specially developed for public transport applications.

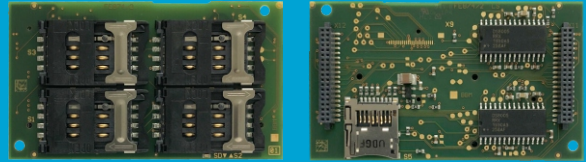
It can be used to implement additional applications such as VDV-KA, ITSO, CIPURSE or MIFARE.

The high vibration resistance ensures safe operation in buses and trains.

4 SAM sockets (ID000 format) and a socket for μ SD memory cards are available on the board. When the SAM extension board is attached, all interfaces of the cVEND plug remain fully usable.

SAM Extension Board

Extension Board for cVEND plug



Technical Data

Housing	Electronics module without housing
Dimensions (W x H x D)]	
Modul	74 mm x 43 mm x 9 mm
Environmental conditions	
Operation	-30 °C to +70 °C
Storage	-30 °C to +80 °C
Humidity	5 % to 95 % condensing moisture resistant coating
SAM Interface	4 x SAM Sockets ID000 (SIM-Card) format, ISO/IEC 7816 T0 / T1 protocol
Memory extension	µSD Socket (SDIO/SD, V 2.0)

Conformity to standards

Environment	RoHS 2011/65/EU
Safety	RE 2014/43/EU
Vibration / Shock	IEC 60068-2-6 IEC 60068-2-27 class 5M3

Ordering Information

cVEND plug SAM extension	Order number 4328.000.00
SAM Extension Board - packing unit 1 piece	
cVEND plug SAM extension (L120)	Order number 4328.020.00
SAM Extension Board - packing unit 20 pieces	