

Payment Systems



KarL4
by Garz & Fricke

Contactless payment terminal

Contactless payment made simple with KarL4



HIGHLIGHTS



LOW POWER

Ultra low power for battery powered applications



PLUG & PLAY

Automatic commissioning, modem on board



DESIGN

Modular and seamless integratable design

KarL4 is the new contactless payment terminal from Garz & Fricke. KarL4 is a contactless-only reader (COR). It enables your customers to make payments for amounts up to EUR 50 in a secure and intuitive manner from their debit* card without having to enter a PIN. KarL4 uses Near Field Communication (NFC) to transfer data. This leads to very customer-friendly handling: simply pull out the card, position it and pay. KarL4 can be optionally combined with our touch display HMI's and, on request, can even be tailored to your requirements as a highly individual complete module.

*credit card certification pending

MAIN FIELDS OF APPLICATION



Fitness
Equipment



Gaming



Point of Sales



Transportation



Vending

FEATURES

Networking	4G Modem	Operating Temperature*	-25°C ÷ +70°C; Humidity up to 100%
Service Interface	Two switches for settings; red/green LED for status; buzzer	Dimensions	Controller: 85.0 x 90.0 x 18.0 mm NFC Antenna: 98.0 x 98.0 x 13.0 mm
Customer Interface	NFC Antenna with 4 green LED's	*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.	
Machine Interfaces	MDB/IPC Level 02/03 (optional USB)		
Power Supply	8.0 ÷ 42.5 VDC (typ. 130mA @ 13.8V)		
Norms & Standards	EMVCo Level 1 EMVCo Level 2 (Master/Visa) Girocard ISO 18092 (NFC)		
Accessories	Roof antenna for LTE/GSM; 1 dBi; 700-960 MHz/1575-2700 MHz; length 200 cm Patch antenna for LTE/GSM; 3 dBi; 700-960 MHz/1700-2700 MHz; length 200 cm		



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