Omnikey® 3111 Smart Card Reader

Data Sheet v1.0
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- Serial interface smart card reader
- Robust housing
- Compatible with virtually any contact smart card

Introduction
The OMNIKEY® 3111 is a high-performance, serial interface smart card reader that features multiple-base mounting options and a robust housing. Compliant with all industry standards, this reader is compatible with virtually any contact smart card. The OMNIKEY® 3111 is easy to install and well-suited for all contact smart card operations.
When connected to Ruptela FM device, it is used to read driver card's information and send this data to the transport monitoring and control system Trust Track.

Physical properties

Dimensions	80 x 67 x 28 (mm)
Mass	110g

Product family
- Smart card reader

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Electrical specification	
Power supply	5 V DC

Environmental data	
Operating temperature	0 ºC ~ +55 ºC
Humidity	10% ~ 90%

Technical specifications	
Interface	RS232
Connector cable length	180 cm
Status indicator	Dual-color LED
Durability	100,000 insertions
Meantime between failure (MTBF)	500,000 hours

Certification	
CE	✓
WEEE	✓
FCC	✓
UL	✓
RoHS	✓

Smart card interface	
Standards	ISO 7816 & EMV^2 2000 Level 1
Protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10); 3-wire: SLE 4418/28 (S=9), I^2C (S=8)
Card size	ID-1 (full size)
Smart card interface speed	420 kbps (when supported by card)
Smart card clock frequency	Up to 8 MHz
Supported card types	5V, 3V and 1,8V Smart Cards; ISO 7816 Class A; B and C
Power to smart card	60 mA
Smart card detection	Movement detection with auto power-off / Automatic detection of smart card type / Short circuit and thermal protection