



CONTACT INTERFACE SMART CARD READER CHIPSET

- **Straightforward implementation** - Designed for easy integration in USB smart card standalone devices
- **Plug & Play** - CCID compliant for easy plug & play (no additional USB driver is required of operating systems supports CCID)
- **Suits Any Application** - Compatible with virtually any smart card and major PC operating systems

Smart card reader chipsets are the heart of every smart card based product or solution and are critical in determining the performance of the complete system. OMNIKEY® Smart@Link reader chip sets are compliant with all relevant smart card standards. Hardware integrators can reduce time to market and costs when embedding OMNIKEY smart card reader functionality into existing and upcoming products.

SPECIFICATIONS

Base Model Number	C30210310
Packaging	32 Pin QFN
Dimensions	5.00 x 5.00 x 0.90mm (0.2 x 0.2 x 0.035 inches)
Operating Temperature	-25° to +85°C / -13° to + 185°F
Storage Temperature	-65°to +150°C / -85° to +302°F
HOST INTERFACE	
Host Interface	USB Suspend mode compliant (<2.5mA) USB 2.0 CCID
Transmission Speed	12 Mbps (USB 2.0 full speed)
SMART CARD INTERFACE	
Standards	ISO 7816 & EMV 2000 Level 1
Protocols	T=0, T=1 2-wire SLE 4432/42 (S=10) 3-wire SLE 4418/28 (S=9) I2C (S=8)
Smart Card Interface Speed	420 Kbps (when supported by card)
Smart Card Clock Frequency	Fixed at 4.8MHz
Supported Card Types	5V, 3V and 1.8V Smart Cards ISO7816 Class A, B and C
Power to Smart Card	60mA
Smart Card Detection	Movement Detection with auto power-off Automatic Detection of Smart Card type Short Circuit and thermal protection
8 Pin Handling	C4 / C8 supported
Supported API's	Works with the default CCID driver shipped with your system No CT-API available at the moment No need for Synch-API. Synchronous cards supported via pseudo-APDUs
Operating System Driver Support	Windows Vista/7/8/8.1/10 Windows CE 6.0 Android Mac OS X Linux
Compliance / Certification	Microsoft® WHQL EMV 2000 Level 1 ISO 7816 USB 2.0 CCID
OTHER FEATURES	
Status Indicator	Ready/Busy supported
DC-DC Converter	Integrated DC-DC converter supporting Type A, B and C cards.



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