

## OMNIKEY® 5125 Reader Board USB Prox

ASSA ABLOY ITG, with its product brand OMNIKEY one of the world's leading manufacturers of innovative smart card readers, has developed a practical and affordable PC-linked reader board that reads your existing HID® proximity cards as well as reads/writes to virtually any contact based smart card, thus allowing to implement new applications especially for converged access (e.g. log-on to Windows®, networks, and websites) without re-badging!

### Main features:

- Reads unique number from HID® Prox cards
- 26-bit format up to Corporate 1000 format support
- Contact unit based on OMNIKEY® 3121
- Drivers identical to housed product
- Mounting bracket

Host Interface	
Host Interface	USB 2.0 CCID <sup>1</sup> (also supports USB 1.1)
Transmission speed	12 Mbps (USB 2.0 full speed)
Power supply	Bus powered
Smart Card Interface	
Standards	ISO 7816 & EMV <sup>2</sup> 2000 Level 1
Protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), SLE 4404, I <sup>2</sup> C (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, AB and C
Power to Smart Card	60 mA
Smart Card detection	Movement detection with auto power-off / Autom. Detection of smart card type / Short circuit and thermal protection
8 Pin Handling	C4 / C8 supported
Contactless (RFID) Smart Card Interface	
125 kHz Prox by HID®	
Other Features	
Status indicator	Two LED (green=ready, red=busy)
Mounting bracket	On request

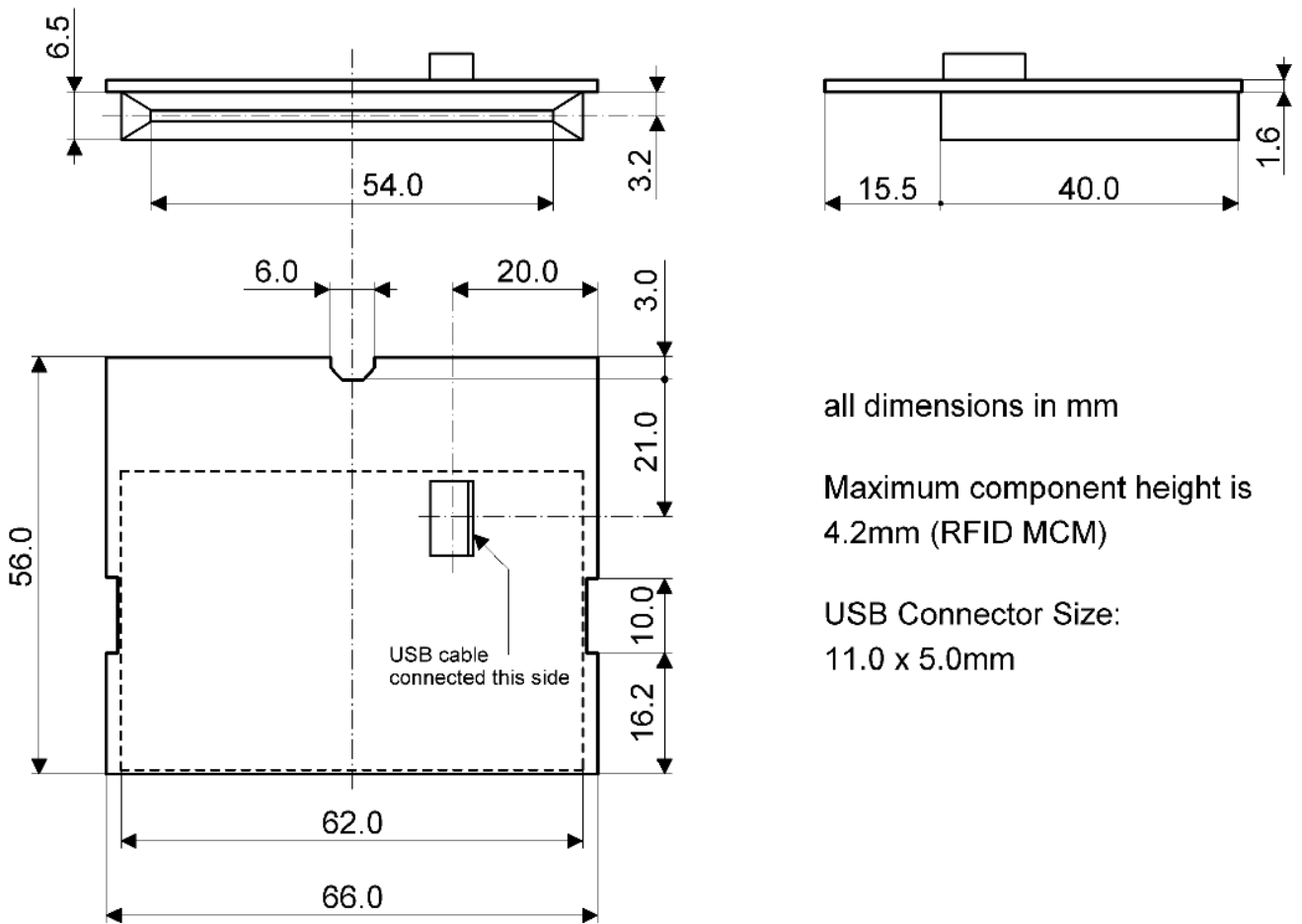
Supported APIs	
PC/SC driver	
CT-API (on top of PC/SC, for contact interface)	
OCF (on top of PC/SC, for contact interface)	
Synchronous API (on top of PC/SC, for contact interface)	
PC/SC Driver Support	
Windows® 98 / ME, 2000 / XP (32bit), 2003 Server	
Windows® CE 5.0 / CE.NET (depending on hardware)	
Windows® XP 64bit (AMD64, EM64T, IA64)	
Windows® Vista (32bit / 64bit)	
Linux®	
Mac® OS X (for contact interface only)	
Hardware Specifications	
Dimensions (LxWxH)	66 x 56 x 14mm 2.6" x 2.2" x 0.55"
Weight (incl. cable)	approx. 77 gr / 2.72 oz
Operating temperature	0°-55°C / 32-131°F
Operating humidity	10-90% rH
Connector cable	180 cm / 70.9"
Durability	100.000 Insertions
Meantime between failure (MTBF)	500.000 hours
Compliance / Certification	
Microsoft WHQL <sup>3</sup>	CE <sup>5</sup>
EMV <sup>2</sup> 2000 Level 1	FCC <sup>3</sup>
ISO 7816	UL
HBCI <sup>4</sup>	RoHS
USB 2.0 (USB 1.1 compatible)	WEEE
CCID <sup>1</sup> (contact interface only)	
Safety / Environmental	



<sup>1</sup> = Chip Card Interface Device <sup>2</sup> = Europay® MasterCard® Visa® <sup>3</sup> = Windows® Hardware Quality Lab <sup>4</sup> = Homebanking Computer Interface <sup>5</sup> = Housed readers only

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## CardMan® 5125 Reader Board USB Prox Technical Drawing



all dimensions in mm

Maximum component height is  
4.2mm (RFID MCM)

USB Connector Size:  
11.0 x 5.0mm

