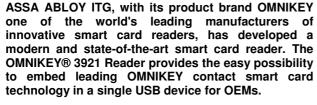
OMNIKEY Embedded Technology









OMNIKEY® 3921 Reader Board USB

Main Features:

- Driver platform identical to OMNIKEY® 3121
- Available with internal and external connector cable
- Easy installation due to mounting holes on PCB













Host Interface		
Host Interface	USB 2.0 CCID 1	
	(also compliant with USB 1.1)	
Transmission speed	12 Mbps (USB 2.0 full speed)	
Power supply	Bus powered	
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 ² 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 / Automatic Detection of smart card type / Short circuit and thermal protection	
8 Pin Handling	C4 / C8 supported	
Other Features		
Status indicator	Green LED	
Easy mounting	screw holes on PCB	

PC/SC driver (ready for 2.01) CT-API (on top of PC/SC) Synchronous-API (on top of PC/SC) OCF (on top of PC/SC) PC/SC Driver Support Windows® 98 / ME, 2000 / XP (32bit), 2003 Server Windows® 98 / ME, 2000 / XP (32bit), 2003 Server Windows® XP 64bit (AMD64, EM64T, IA64) Windows® Vista (32bit / 64bit) Linux® Mac® OS X (PowerPC / Intel) Embedded Technology CardMan Smart@Link Chipset Hardware Specifications Dimensions (LxWxH)			
CT-API (on top of PC/SC) Synchronous-API (on top of PC/SC) OCF (on top of PC/SC) 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 (PowerPC / Intel) Embedded Technology CardMan Smart@Link Chipset Hardware Specifications Dimensions (LxWxH) 2.44" x 3.15" x .0.35" Weight with cable 75 gr / 2.65 oz Operating temperature 0°-55" (32-131°F Operating humidity 10-90% rH Connector cable (internal / external) Ext. 150 cm / 59.1" Int. 80 cm / 31.5" Durability Meantime between failure (MTBF) 500.000 hours Compliance / Certification Microsoft® WHQL³	Supported APIs		
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Microsoft® WHQL³ CE ⁵			
		<u>-</u>	
	EMV ² 2000 Level 1	RoHS	
ISO 7816 FCC ⁵			
HBCl⁴ UL	LIDCI ⁴	0_	
USB 2.0 (USB 1.1 compatible) WEEE	-		
CCID ¹	USB 2.0 (USB 1.1 compatible)	WEEE	

1 = Chip Card Interface Device 2 = Europay® MasterCard® Visa® 3 = Windows® Hardware Quality Lab 4 = Homebanking Computer Interface 5 = In housed readers only

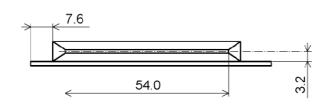
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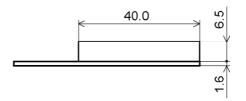
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OMNIKEY Embedded Technology



OMNIKEY® 3921 Reader Board USB Technical Drawing







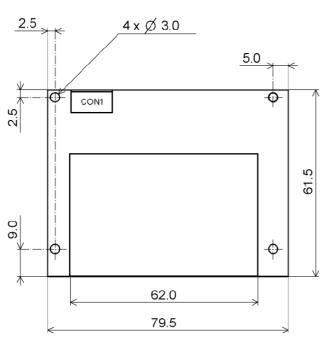












all dimensions in mm

Maximum component height is 6.5 mm (smart card holder)

CON1 = USB Connector 2x5 pin strip, right angle

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