Reader picture	Reader name and it's product ID according to ID-card utiliy diagnostics	Comments	Tested 17.6	Tested 17.8
	Omnikey CardMan 1021 (USB) USB\VID_076B&PID_1021&REV_0100		+	+
	Bit4id miniLector Pocket USB\VID_25DD&PID_3111&REV_0100	USB CCID compatible. Does work with Windows, Mac OS X and Linux op. systems.		
	Bit4id miniLector EVO USB\VID_25DD&PID_3111&REV_0100	USB CCID compatible. Does work with Windows, Mac OS X and Linux op. systems.		
	Bit4id IDone USB\VID_2021&PID_0001&REV_0300	USB CCID compatible. Does work with Windows, Mac OS X and Linux op. systems.		
	Omnikey CardMan 4040 (PCMCIA) PCMCIA\OMNIKEY-CardMan_4040-FE82	The external reader should be used with Linux distributions.		
	Omnikey CardMan 4321 (ExpressCard54) USB\VID_076B&PID_4321&REV_0203	Does work with manufacturer's drivers.	+	+
	Omnikey CardMan 3621 (USB PIN-pad) USB\VID_076B&PID_3621&REV_0600	PIN-pad mode does not work under Windows XP with Internet Explorer and Chrome.		
	Omnikey CardMan 3821 (USB PIN-pad and display) USB\VID_076B&PID_3821&REV_0600	PIN-pad mode does'nt work under Windows XP with Internet Explorer and Chrome.	+	+
	Omnikey CardMan 3121 (USB) USB\VID_076B&PID_3021&REV_0302			
	JSP-CR900 (Microlink's/Ordi All-in-one reader) USB\VID_058F&PID_9520&REV_?0?0 USB\VID_058F&PID_9520&REV_?033	Does work with manufacturer's drivers and under Windows OS. might work with Microsoft Usbccid Smartcard Reader (WUDF) driver.	+	+
	SCM SCR 3310 (USB) USB\Vid_04e6&Pid_5116&Rev_0518		+	+

	SCM SCR 3340 (ExpressCard54)			
	USB\VID_04E6&PID_5119&REV_0523			
	SCM SPR 532 (USB PIN-pad)	The reader works with the SCM Microsystems ver. 4.54.0.0 driver which comes automatically from Windows Update if the automatic driver update functionality is enabled. PIN-pad mode does not work under Windows XP.		
	USB\VID_04E6&PID_E003&REV_0510			
	SCM SCR333 internal card reader for desktop computers			
	USB\VID_04E6&PID_5113&REV_0413			
	HP SmartCard keyboard (model KUS0133), ver. ED707AA#ABB	This version of the keyboard might not work as a card reader in Linux and Mac OS X environment because of missing drivers. Under Windows XP works normally as a card reader with a driver from manafacturer's website (sp45492.exe 16.january 2010 version). Without the manufacturers driver the reader can sometimes behave as a PIN-pad reader (PIN-dialogue window is not displayed). Under Windows Vista / 7 / 8 works as a card reader with both default and manufacturer's driver. If Microsoft WUDF driver is used and the card is inserted after the keyboard is connected to the computer then the card cant be read. This means that the card reader notification light doesnt not light up and ID-card utility will continue to display an error: "No card found". If the keyboard is connected to the computer while the card is already in the reader then the card can be read. If user has enabled the automatic driver update through Windows Update then a working HP driver version 4.35.0.2 will be installed.	+	+
	USB\VID_03F0&PID_1624&REV_0535&MI_01 USB\VID_03F0&PID_0036&REV_0124&MI_01			
	HP SmartCard keyboard (model KUS0133), ver. BV813AA	This version of the keyboard might not work as a card reader in Linux and Mac OS X environment because of missing drivers. Under Windows XP works normally as a card reader with a driver from manafacturer's website (sp45492.exe 16.january 2010 version). Without the manufacturers driver the reader can sometimes behave as a PIN-pad reader (PIN-dialogue window is not displayed). Under Windows Vista / 7 / 8 works as a card reader with both default and manufacturer's driver. If Microsoft WUDF driver is used and the card is inserted after the keyboard is connected to the computer then the card cant be read. This means that the card reader notification light doesnt not light up and ID-card utility will continue to display		

	USB\VID_03F0&PID_1624&REV_0535&MI_01 USB\VID_03F0&PID_0036&REV_0124&MI_01	an error: "No card found". If the keyboard is connected to the computer while the card is already in the reader then the card can be read. If user has enabled the automatic driver update through Windows Update then a working HP driver version 4.35.0.2 will be installed.		
	Akasa AKICR06L All-in-one-reader for desktop computer	Unstable under Linux distributions.	+	+
	USB\VID_058F&PID_9520&REV_?0?0			
	Akasa AKICR09 All-in-one-reader for desktop computer			
	USB\VID_058F&PID_9520&REV_?0?0			
	Akasa AK-CR-03 (USB)			
	USB\VID_058F&PID_9520&REV_?0?0			
	Ricoh RL5c476 II (internal reader for HP laptops)	There could be issues under 64bit versions of Windows. The external reader should be used with Linux distributions.		
	PCMCIA\RICOH-Bay8Controller-F1B2			
	Akasa Ricoh RL5c476 II (internal reader for Lenovo aptops)	Linux distributions not supported.		
	USB\VID_17EF&PID_1003&REV_0100			
	O2micro (internal reader for Dell laptops)	The external reader should be used with Linux distributions.		
	USB\VID_0B97&PID_7772&REV_0110			
	Broadcom (internal reader for Dell laptops)	There are issues with older ID-cards (issued before 2011) and Digi-ID cards. The external reader should be used with Windows XP	+	+
	USB\VID_0A5C&PID_5800&REV_0101&MI_01	The external reader should be used with Linux distributions.		
	+ID SMART CARD READER	+iD smart card reader is CCID compliant for easy plug & play (no additional USB driver is required of operating systems supports CCID). For non CCID OS support please download drivers here Software: Drivers & Utilities.		
	USB\VID_0BDA&PID_0165&REV_6123	NB! Enable drivers automatic update and please make sure your ID card and OS software is up to date.		

	Gemalto PC-USB-TR IDBRidge CT30 (USB)		+	+
	USB\VID_08E6&PID_3437&REV_0200			
	Gemalto IDBRIDGE CT710 ESTONIA (or Gemalto Ezio Shield) (USB PIN-pad and display)	Card reader that can only works in PIN-pad mode. Manufacturers drivers are available for Windows 10, 7, 8. Drivers can be downloaded from here. Does not work under Linux since there are no manufacturer drivers. Does not work with Mac OS X op. systems and neither does not work with Firefox under Windows or Linux op. systems.	+	+
	USB\VID_08E6&PID_34C2&REV_0102			
	ACS ACR38U-N1 (USB)			
	USB\VID_072F&PID_90CC&REV_010			
	ACS ACR38u-J1 (USB)			
	USB\VID_072F&PID_90CC&REV_0100			
	Cherry RS 6700 Smart Board XX44	With default driver the reader will work as a PINpad reader under Windows 7 (both 32 and 64 bit) Will work as a normal reader with Microsoft Usbccid Smartcard Reader (WUDF) driver.		
	USB\VID_046A&PID_0010&REV_0106&MI_01			
	Cherry RS 6600 Smart Board XX44	With default driver the reader will work as a PINpad reader under Windows 7 (both 32 and 64 bit) Will work as a normal reader with Microsoft Usbccid Smartcard Reader (WUDF) driver.		
	USB\VID_046A&PID_0010&REV_0106&MI_01			
	Ingenico LEO (formerly XIRING) (USB PIN-pad and display)	PIN-pad mode does not work under Windows XP with Internet Explorer and Chrome.		
	USB\VID_0F14&PID_0038&REV_0112			
	Lenovo USB Smartcard Keyboard	Microsoft Usbccid Smartcard Reader (WUDF) driver should be used.	+	+
	USB\VID_17EF&PID_6007&REV_0116&MI_01			
	Dell RT7D60 USB Smartcard Keyboard	Does not work as a card reader under Mac OS X and Linux. Under Windows works with default Microsofti WUDF draiver.		
	USB\VID_413C&PID_2101&REV_0100&MI_01			

	Fujitsu keyboard KB SCR	Under Windows 7 and 8 authentication and digital signing works in PIN-pad mode. In normal card reader mode its necessary to use Microsoft WUDF driver.		
	SmartCase KB Smart Card Reader (USB\VID_0BF8&PID_1017&REV_0121&MI_01)	Microsoft Usbccid Smartcard Reader (WUDF) (USB\VID_0BF8&PID_1017&REV_0121&MI_01)		