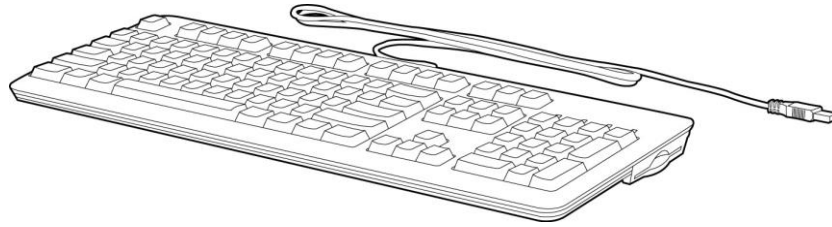


Overview



Models

HP USB Smart Card CCID Keyboard

E6D77AA

Introduction

Add an extra layer of security at the point of data entry with the HP USB SmartCard CCID Keyboard, which includes an integrated smart card reader to help simplify access procedures and prevent unauthorized access to your PCs and networks.

Key Benefits

- Combine with a smart card and HP Client Security¹ to create a secure and convenient way to login.
- Enjoy enhanced security features vs. previous-generation technology with an integrated smart card reader that's compatible with Class A, B, and C smart cards to help prevent hacking and firmware changes in the keyboard.
- Get a sleek, full keyboard that matches the latest HP Business PCs and is constructed with high-impact materials to withstand daily business use.
- Lubricated keys help keep your work environment quiet. The spill drain feature makes the keyboard easy to clean when minor accidents happen.
- Connect to any USB port on your PC, and you're ready to go. The included 6 ft (1.8 m) USB cable gives you plenty of room to move the keyboard around your workspace.

Compatibility

The HP USB (Gray) SmartCard CCID Keyboard is compatible with the HP ProDesk 400 G2 SFF; HP ProDesk 400 G2.5 SFF; HP ProDesk 400 G1 DM (Mini); HP ProDesk 400 G2 MT; HP ProDesk 405 G2 MT; HP ProDesk 400 G3 SFF; HP ProDesk 400 G3 MT; HP ProDesk 490 G3 MT; HP ProDesk 400 G2 DM (Mini); HP ProOne 400 G2 AIO Touch; HP ProOne 400 G2 AIO Non-Touch; HP ProDesk 600 G2 MTW; HP ProDesk 600 G2 SFF; HP ProDesk 600 G2 Desktop Mini; HP ProOne 600 G2 AIO 21.5" Touch; HP ProOne 600 G2 AIO 21.5" Non-Touch; HP EliteDesk 705 G2 MT; HP EliteDesk 705 G3 MT; HP EliteDesk 705 G2 SFF; HP EliteDesk 705 G3 SFF; HP EliteOne 705 G2 AIO 23" Touch; HP EliteOne 705 G2 AIO 23" Non-Touch; HP EliteDesk 705 G2 Desktop Mini; HP EliteDesk 705 G3 Desktop Mini; HP EliteDesk 800 G2 TWR; HP EliteDesk 800 G2 SFF; HP EliteDesk 800 G2 35W Desktop Mini; HP EliteDesk 800 G2 65W Desktop Mini; HP Collaboration PC G2; HP EliteOne 800 G2 AIO 23" Touch; HP EliteOne 800 G2 AIO 23" Non-Touch; HP EliteOne 800 G3 AIO 23.8" NT; HP EliteOne 800 G3 AIO 23.8" Touch.

NOTE: Not all models are available in all regions.

NOTE: Please check this product's web page on HP.com for current compatibility information.

Overview

Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

Technical Specifications

Physical characteristics	Keys	104, 105, 106, 107, 109 layout (depending upon country)	
	Form factor	USB basic Smart Card keyboard	
	Colors	Jack Black/Silver	
	Dimensions (H x W x D)	18.2 x 6.3 x 1.3 in (46.03 x 16.43 x 3.19 cm)	
Electrical	Weight	2 lb (0.9 kg) minimum	
	Operating voltage	+ 5VDC \pm 5%	
	Power consumption	200-mA maximum (with four LEDs ON)	
	System interface	USB Type A plug connector	
	ESD	CE level 4, 15-kV air discharge	
	EMI - RFI	Conforms to FCC rules for a Class B computing device	
	Microsoft PC 99 - 2001	Functionally compliant	
Mechanical	Languages	30+ available	
	Keycaps	Standard design	
	Switch actuation	55 g nominal peak force with tactile feedback	
	Switch life	20 million keystrokes (using Hasco modified tester)	
	Switch type	Contamination-resistant membrane	
	Key-leveling mechanisms	For all double-wide and greater-length keys	
	Cable length	6 ft (1.8m)	
	Microsoft PC 99 - 2001	Mechanically compliant	
	Acoustics	43-dBA maximum sound pressure level	
	Environmental	Operating temperature	50° to 122° F (10° to 50° C)
Non-operating temperature		-22° to 140° F (-30° to 60° C)	
Operating humidity		10% to 90% (non-condensing at ambient)	
Non-operating humidity		20% to 80% (non-condensing at ambient)	
Operating shock		40 g, six surfaces	
Non-operating shock		80 g, six surfaces	
Operating vibration		2-g peak acceleration	
Non-operating vibration		4-g peak acceleration	
Drop (out of box)		26 in (66 cm) on carpet, six-drop sequence	
Drop (in box)		30 in (76.2 cm) on concrete, 16-drop sequence	
SMARTCARD function		Support	All ISO 7816 smart cards
		Interface	Reads from and writes to all ISO 7816-1, 2, 3, 4 memory and microprocessor smart cards (T=0, T=1)
		Chipset	CLOUD2190F
	Standard APIs supported	PC/SC, EMV2000, CT-API	

Technical Specifications

Power	USB Port	
	Short circuit detection (protects smart card and reader)	
	Power supply compliant with ISO7816 and EMV (5V, 60 mA)	
	Supports 1.8-V, 3-V and 5-V cards	
Power consumption	100-mA maximum draw	
Communication	From card	9600 bps to 330,000 bps
	From computer	12 Mbps (USB transfer speed)
Landing mechanism	Contact device	Friction contact
	Card insertions rating	Up to 100,000 insertion cycles
Interface modes	CCID protocol	
	IDENTIVE proprietary extensions	
Reader performance interface	USB connection	
Electro-magnetic standards	Europe	2004/108/EC
	USA	USAFCC part 15

Operating system support Windows 8, Windows 8 Pro, Windows 7 Home Basic*, Windows 7 Home Premium*, Windows 7 Professional Edition 32*, Windows 7 Professional Edition 64*, Windows 7 Ultimate Edition 32*, Windows 7 Ultimate Edition 64*, Windows Vista Business 64**, Windows Vista Business 32**, Windows Vista Home Basic 32**, Windows XP (SP3)

* This system may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See <http://www.microsoft.com/windows/windows-7/> for details.

** Certain Windows Vista product features require advanced or additional hardware. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit: <http://www.windowsvista.com/upgradeadvisor>. For Windows Vista system requirements, visit: <http://www.windowsvista.com/systemrequirements>.

Approvals CE-Mark, UL, cUL, FCC, CE Mark, TUV, TUV GS, VCCI, BSMI, C-Tick, KCC, EMV2000, USB-IF, FIPS 201

Ergonomic compliance ISO 9241-410, TUV GS

Kit contents Keyboard and USB cable, I/O Security and Documentation CD, warranty card

Smart card compatibility	HP	HP ProtectTools Smart Card
	American Express	Amex Blue
	Axalto (Schlumberger)	Cryptoflex 8K Cryptoflex 16K Cryptoflex 32K Cryptoflex 32K e-gate Cyberflex Access 64K Cyberflex Access 32K Cyberflex 32K e-gate Cyberflex 64K Cyberflex Palmera Payflex-S Payflex 1K Payflex 2K

Technical Specifications

Cardlogix

Payflex 4K
Payflex 8K
Prismera
US DoD CAC
CLXSU004KK4
CLXSU008KK5

Safenet, Inc.

Model300
Model 330

De La Rue

VisaCash

Gemplus

Gem Espresso
GKK32K
Gemclub Memo
GemClub Micro
GemXplore
GemSafe

Infineon

SLE66C322P

SafLink (Litronic)

Forte

Sharp

Java Card

Oberthur

CosmopolIIC v4
CosmopolIIC v4.1
Cosmo ID-One
GalatIIC v2.1
US DoD CAC

Memory Cards**Atmel**

AT24C01ASC
AT24C02SC
AT24C04SC
AT24C08SC
AT24C16SC
AT24C32SC
AT24C64SC
AT24C128SC
AT24C256SC
AT24C512SC
AT88SC153
AT88SC1608

Axalto (Schlumberger)

PrimeFlexStore 8K
PrimeFlexStore 2K

Infineon

SLE4406
SLE4406E
SLE4406E SE
SLE4418
SLE4428
SLE4432
SLE4436E
SLE4442
SLE5536

Technical Specifications

ISSI	IS235C4418 IS235C4428
ST	14C02
Telefonkarte	SLE4406 SLE4436 SLE5536
XICOR	X24026

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Date of change:	Version History:		Description of change:
September 27, 2013	V1 to V2		Document created
November 1, 2017	V3 to V4	Update	Compatibility statement updated