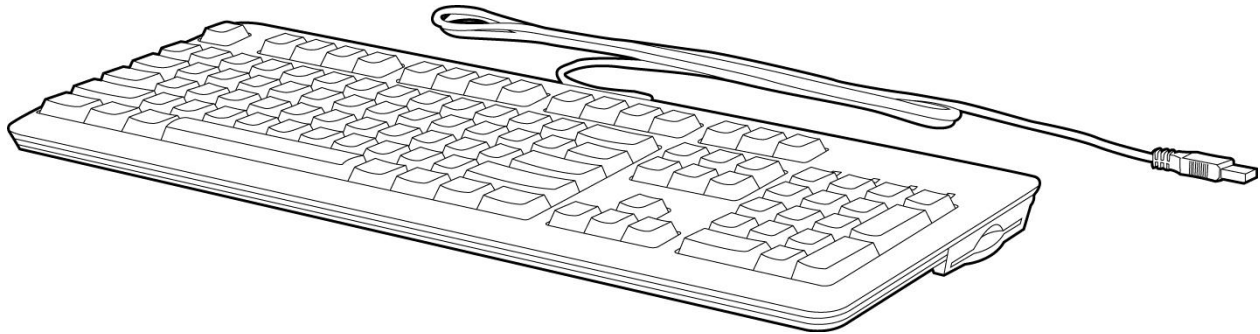


Overview

HP USB Smart Card CCID Keyboard



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 Smart Card CCID Keyboard is compatible with the following models:

HP ProOne 400 G1 AIO Touch, HP ProOne 400 G1 AIO Non-Touch, HP ProDesk 400 G1 MT, HP ProDesk 400 G1 SFF, HP ProDesk 400 G2 SFF, HP ProDesk 400 G2.5 SFF, HP ProDesk 405 G1 MT, HP ProDesk 400 G1 DM (Mini), HP ProDesk 490 G1 MT, 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 G1 TWR, HP ProDesk 600 G1 SFF, HP ProDesk 600 G1 DM (Mini), HP ProOne 600 G1 AIO, HP ProDesk 600 G2 MT, 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 705 G1 MT, HP EliteDesk 705 G1 SFF, HP EliteOne 705 G1 AIO, HP EliteDesk 705 G1 Desktop Mini, HP EliteDesk 800 G1 TWR, HP EliteDesk 800 G1 SFF, HP EliteDesk 800 G1 Desktop Mini, HP Collaboration PC, HP EliteOne 800 G1 21.5 Non-Touch AIO, HP EliteOne 800 G1 23" Touch, HP EliteOne 800 G1 23" Non Touch, 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.

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.

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)
	Weight	2 lb (0.9 kg) minimum
Electrical	Operating voltage	+ 5VDC ± 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
Mechanical	Microsoft PC 99 - 2001	Functionally compliant
	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 (1.8 m)
	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
SMARTCARD function	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
	Support	All ISO 7816 smart cards
	Interface	Reads from and writes to all ISO7816-1, 2, 3, 4 memory and microprocessor smart cards (T=0, T=1)
	Chipset	CLOUD2190F
	Standard APIs supported	PC/SC, EMV2000, CT-API
	Power	USB Port

Technical Specifications

	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 Maximum baud rate up to 500 Kbps (depending on card) TAI=97 (600 Kbps)
	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 10 Pro 64* Windows 10 Home 64* Windows 7 Professional 64**
	<p>*Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.</p> <p>**HP intends to test the available Windows 7 Professional drivers and document how they perform. Not all device drivers may be certified by Microsoft.</p>
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 Payflex 4K Payflex 8K Prismera US DoD CAC
	Cardlogix CLXSU004KK4 CLXSU008KK5

Technical Specifications

Safenet, Inc.	Model 300 Model 330
De La Rue Gemplus	VisaCash Gem Espresso GKK32K Gemclub Memo GemClub Micro GemXplore GemSafe
Infineon SafLink (Litronic) Sharp Oberthur	SLE66C322P Forte Java Card 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)	PrimeFlex Store 8K PrimeFlex Store 2K
Infineon	SLE4406 SLE4406E SLE4406E SE SLE4418 SLE4428 SLE4432 SLE4436E SLE4442 SLE5536
ISSI	IS23SC4418 IS23SC4428
ST Telefonkarte	14C02 SLE4406 SLE4436 SLE5536
XICOR	X24026

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Technical Specifications

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Change Log

Date of change:	Version History:	Status	Description of change:
June 29, 2016	From v1 to v2	Update	Launch
September 7, 2016	From v2 to v3	Update	Multiple updates