

### Technical Specifications

## HP USB Business Slim Smartcard Keyboard

### Models

HP USB Business Slim Smartcard Keyboard

4Q8G2AV#AC4

### Compatibility

The HP USB Business Slim Smartcard Keyboard is compatible with HP Pro Tower 400 G9, HP Pro Small Form Factor 400 G9, HP Pro Mini 400 G9, HP Elite Tower 600 G9, HP Elite SFF 600 G9, HP Elite Mini 600 G9, HP Elite Tower 800 G9, HP Elite SFF 800 G9, HP Elite Mini 800 G9, HP ProOne 440 23.8 inch G9, HP EliteOne 840 23.8 inch G9, HP EliteOne 870 27 inch G9, HP ProDesk 400 G4 SFF, HP ProDesk 400 G4 MT, HP ProOne 400 G3 AIO Touch, HP ProOne 400 G3 AIO Touch, HP ProOne 400 G3 AIO Non-Touch, HP ProDesk 600 G3 MT, HP ProDesk 400 G3 DM, HP ProDesk 600 G3 SFF, HP ProDesk 600 G3 Desktop Mini, HP ProOne 600 G3 AIO 21.5" Non-Touch, HP EliteDesk 800 G3 TWR, HP EliteDesk 800 G3 SFF, HP EliteDesk 800 G3 35W Desktop Mini, and HP EliteDesk 800 G3 65W Desktop Mini.

**NOTE:** Not all models are available in all regions.

### 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.

|                                 |                           |  |
|---------------------------------|---------------------------|--|
| <b>Physical Characteristics</b> | Keys                      | 107 layout<br>(Brazil layout)                        |
|                                 | Dimensions<br>(HxWxD)     | 17.34 x 5.68 x 0.78 in (440.6 x 14.45 x 1.98 cm)     |
| <b>Electrical</b>               | Weight                    | 1.32 lb (0.6± 0.1 kg)                                |
|                                 | Operating voltage         | 5V   |
|                                 | Power consumption         | 200 mA   |
|                                 | System interface          | USB Interface  |
|                                 | ESD                       | Air 12.5kV / Contact 8kV                             |
|                                 | EMI - RFI                 | under 3dB  |
| <b>Mechanical</b>               | Microsoft PC 99 - 2001    | Conforms to FCC rules for a Class B computing device |
|                                 | Keycaps                   | Low-profile design                                   |
|                                 | Switch actuation          | 60±15g nominal peak force with tactile feedback      |
|                                 | Switch type               | Contamination-resistant switch membrane              |
|                                 | Key-leveling mechanisms   | For all double-wide and greater-length keys          |
| <b>Environmental</b>            | Cable length              | 6 ft (1.8 m)   |
|                                 | Acoustics                 | 43-dBA maximum sound pressure level                  |
|                                 | 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                                |

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|                             |  |   |
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| <b>SmartCard Function</b>   | 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 Interface  | All ISO 7816 smart cards<br>Reads from and writes to all ISO7816-1, 2, 3, 4 memory and microprocessor smart cards (T=0, T=1)                                  |
|                             | Chipset  | IDENTIVE CLOUD 2190 F   |
|                             | Standard APIs supported  | PC/SC, EMV2000, CT-API  |
|                             | Power  | USB Port<br>Short circuit detection (protects smart card and reader)<br>Power supply compliant with ISO7816 and EMV (5V, 60 mA)<br>Supports 3-V and 5-V cards |
|                             | Power consumption  | 100-mA maximum draw   |
|                             | Communication  | From card 9600 bps to 330,000 bps<br>From computer 12 Mbps (USB transfer speed)   |
|                             | Landing mechanism  | Contact device Friction contact<br>Card insertions rating Up to 100,000 insertion cycles  |
|                             | Interface modes  | CCID protocol   |
| <b>Approvals</b>            | Reader performance interface                                       | USB connection  |
|                             | Electro-magnetic standards   | Europe 2004/108/EC<br>USA USAFCC part 15  |
|                             | CE Marking; TUV; EAC; FCC; cULus/CSAus; ICES; RCM; VCCI; KCC; BSMI |   |
| <b>Ergonomic Compliance</b> | ISO 9241-410, TUV GS   |   |
| <b>Kit Contents</b>         | Keyboard, I/O Security and Documentation CD, warranty card         |   |

**\*NOTE:** The functional keys for brightness adjustment are only available with notebook and integrated displays with HP hot key support software.

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| Date of change:  | Version History: |        | Description of change: |
|------------------|------------------|--------|------------------------|
| January 22, 2024 | V1 to V2         | Launch |                        |
|                  |                  |        |                        |
|                  |                  |        |                        |
|                  |                  |        |                        |