

# genucrypt Hardware

genua.



## VPN Appliance



| MODEL                             | S                         | XSo                     |
|-----------------------------------|---------------------------|-------------------------|
| <b>Hardware</b>                   |                           |                         |
| Revision                          | 3.0                       | 2.0                     |
| CPU                               | 2 Cores, 2.0 GHz          | 2 Cores, 1.0 GHz        |
| Memory                            | 4 GB                      | 2 GB                    |
| Network interfaces min.           | 4 x 1 Gbit/s              | 3 x 1 Gbit/s            |
| Network interfaces max.           | 6 x 1 Gbit/s <sup>1</sup> | 3 x 1 Gbit/s            |
| Network interfaces 10 Gbit/s max. | -                         | -                       |
| Flash Drive                       | 32 GB                     | 8 GB                    |
| DVD-ROM Drive                     | -                         | -                       |
| Graphics Connector                | -                         | HDMI                    |
| Serial Ports                      | 2                         | 2                       |
| USB Port                          | 3.0                       | 2.0                     |
| Smartcard Slot                    | Format ID-1               | optional extern         |
| <b>Performance</b>                |                           |                         |
| Firewall TCP                      | 940 Mbit/s <sup>2</sup>   | -                       |
| Firewall UDP                      | 1960 Mbit/s <sup>3</sup>  | -                       |
| IPsec TCP                         | 1890 Mbit/s <sup>4</sup>  | 100 Mbit/s <sup>6</sup> |
| IPSec UDP                         | 1890 Mbit/s <sup>5</sup>  | 190 Mbit/s <sup>7</sup> |
| <b>Chassis</b>                    |                           |                         |
| Power Supply                      | 40 W                      | external 36 W           |
| Power consumption load            | 15 W                      | 11 W                    |
| BTU/h load                        | 52                        | 37.51                   |
| Fixture                           | 19" rackmount optional    | -                       |
| Width                             | 270 mm                    | 164 mm                  |
| Height                            | 44 mm (1 U)               | 30 mm                   |
| Depth                             | 198 mm                    | 143 mm                  |
| Weight                            | 1.8 kg                    | 0.9 kg                  |
| Weight (incl. Packaging)          | 3.0 kg                    | 2.0 kg                  |

<sup>1</sup> 2x 1 Gbit/s multi- or mono-mode fiber optic transceiver optional

<sup>2</sup> tcp packets: 1448 byte

<sup>3</sup> udp packets: 1500 byte bidirectional

<sup>4</sup> Transparent IPsec tunnel (AES GCM, sha2-256), packets: TCP 1448 byte, with hardware acceleration (AES-NI)

<sup>5</sup> Transparent IPsec tunnel (AES GCM, sha2-256), packets: UDP 1400 byte bidirectional, with hardware acceleration (AES-NI)

<sup>6</sup> Transparent IPsec tunnel (AES GCM, sha2-256), packets: tcp 1448 byte

<sup>7</sup> Transparent IPsec tunnel (AES GCM, sha2-256), packets: udp 1400 byte bidirectional

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| S           | ENVIRONMENT OPERATION                                      | ENVIRONMENT STORAGE                               |
|-------------|--|---|
| Voltage     | 90 - 240 V AC, 60 - 50 Hz, 1 - 0.5 A, connector 1x IEC-C14 | -   |
| Temperature | 0 - 50 °C at 50 % humidity, non condensing                 | -20 - 70 °C                                       |
| Humidity    | 20 - 80 % non condensing                                   | 10 - 90 % non condensing                          |
| Shock       | 1 G 11 ms half-sine  | 10 G 11 ms half-sine                              |
| Vibration   | 5 - 500 Hz, PSD 0.02 G <sup>2</sup> /Hz, 0.5 Grms          | 5 - 500 Hz, PSD 0.02 G <sup>2</sup> /Hz, 0.5 Grms |
| Norms       | CE   | -   |

| XSo         | ENVIRONMENT OPERATION                                     | ENVIRONMENT STORAGE                                       |
|-------------|---|---|
| Voltage     | 90 - 240 V AC, 47 - 63 Hz                                 | -   |
| Temperature | 0 - 50 °C at 50 % humidity, non condensing                | -20 - 70 °C   |
| Humidity    | 20 - 80 % non condensing                                  | 5 - 95 % (non-condensing)                                 |
| Shock       | 1 G 11 ms half-sine                                       | 10 G 11 ms half-sine                                      |
| Vibration   | IEC 60068-3-64, 0.5 Grms, Random 5 - 500 Hz, 40 Mins/Axis | IEC 60068-3-64, 0.5 Grms, Random 5 - 500 Hz, 40 Mins/Axis |
| Norms       | CE  | -   |