



SafeGuard[®] CryptoServer LAN Technical Data

1 SafeGuard CryptoServer Se-Series LAN (Hardware Version 3)

Dimensions	Height	88 mm (2 height units)
	Width	446 mm excluding brackets (19 inch rack mount)
	Depth	510 mm excluding handles
Weight		13 kg
Power supply	AC power supply	90~264 V, 47~63 Hertz AC, 400 W Power consumption typically 54 W / 60 VA, maximum 65 W / 70 VA
	DC power supply	-36 ~ -72 VDC Power consumption typically 55 W, maximum 65 W
Interfaces on the front face	1 x PS2	Combined keyboard connector and power supply for PIN pads
	1 x DB9	Serial port of SafeGuard CryptoServer LAN (labeled "COM")
	1 x DB9	Serial port of the SafeGuard CryptoServer PCIe plug-in card (labeled "CS COM")
	1 x USB	USB2.0 port of the SafeGuard CryptoServer PCIe plug-in card (labeled "CS USB")
	4 x USB	USB 2.0 ports (behind front door)



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Interfaces on the rear face	1 x DB15	VGA connector (screen)
	2 x RJ45	10/100/1000 MBit Ethernet
	2 x USB	USB 2.0 ports
	1 x USB and 1 x DB9	USB port and serial port on SafeGuard CryptoServer PCIe plug-in card
Environmental temperature	in operation	+10° C to +50° C (+50° F to +122° F)
	in warehouse	-10° C to +55° C (+14° F to +131° F)
Humidity	10 to 95% relative humidity, non-condensing	
MTBF	110,000 hours at 25° C / 77° F (in acc. with MIL-HDBK-217)	
RoHS, WEEE	RoHS compliant, Elektro-Altgeräte-Register DE39805015	
Conformity	EMC emission: EN55022 Class B, EN300386 V1.4.1, EN61000-3-2/-3 EMC immunity: EN 55024, EN 61000-6-2, EN 300386 V1.4.1 Equipment safety: IEC/EN 60950-1 (CB scheme) GS (Geprüfte Sicherheit) Zertifikat GS-2634 FCC 47 CFR Ch. 1 Part 15 Class B UL Climatic and mechanical conditions: ETSI EN 300 019 storage class 1.1, transportation class 2.1 (with temperature range limited to temperature in warehouse as above), stationary use at weather protected locations class 3.1	



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2 SafeGuard CryptoServer CS-Series LAN (Hardware Version 3)

Dimensions	Height	88 mm (2 height units)
	Width	446 mm excluding brackets (19 inch rack mount)
	Depth	510 mm excluding handles
Weight		13 kg
Power supply	AC power supply	90~264 V, 47~63 Hertz AC, 400 W Power consumption typically 54 W / 60 VA, maximum 60 W / 65 VA
	DC power supply	-36 ~ -72 VDC Power consumption typically 55 W, maximum 60 W
Interfaces on the front face	1 x PS2	Combined keyboard connector and power supply for PIN pads
	1 x DB9	Serial port of SafeGuard CryptoServer LAN (labeled "COM")
	1 x DB9	Serial port of the SafeGuard CryptoServer PCI plug-in card (labeled "CS COM")
	1 x USB	Not connected (labeled "CS USB")
	4 x USB	USB 2.0 ports (behind front door)



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Interfaces on the rear face	1 x DB15	VGA connector (screen)
	2 x RJ45	10/100/1000 MBit Ethernet
	2 x USB	USB 2.0 ports
	1 x DB9	Serial port on SafeGuard CryptoServer PCI plug-in card
Environmental temperature	in operation	+10° C to +40° C (+50° F to +104° F)
	in warehouse	-10° C to +55° C (+14° F to +131° F)
Humidity	10 to 95% relative humidity, non-condensing	
MTBF	110,000 hours at 25° C / 77° F (in acc. with MIL-HDBK-217)	
RoHS, WEEE	RoHS compliant, Elektro-Altgeräte-Register DE39805015	
Conformity	EMC emission: EN55022 Class B, EN300386 V1.4.1, EN61000-3-2/-3 EMC immunity: EN 55024, EN 61000-6-2, EN 300386 V1.4.1 Equipment safety: IEC/EN 60950-1 (CB scheme) GS (Geprüfte Sicherheit) Zertifikat GS-2634 FCC 47 CFR Ch. 1 Part 15 Class B UL Climatic and mechanical conditions: ETSI EN 300 019 storage class 1.1, transportation class 2.1 (with temperature range limited to temperature in warehouse as above), stationary use at weather protected locations class 3.1	



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3 SafeGuard CryptoServer CS-Series LAN (Hardware Version 2)

Dimensions	Height	88 mm (2 height units)
	Width	446 mm excluding brackets (19 inch rack mount)
	Depth	510 mm excluding handles
Weight		13 kg
Operating power	AC power supply: 100~240 V, 47~63 Hertz AC	DC power supply: -36 ~ -72 VDC
Power supply	AC power supply: 400 W	DC power supply: 500 W
Power consumption (effective / apparent power)	AC power supply: 55 W / 60 VA	DC power supply: 55 W / ----
Interfaces on the front face	1 x PS2	Combined keyboard connector and power supply for PIN pads
	1 x DB9	Serial port of SafeGuard CryptoServer LAN (labeled "COM")
	1 x DB9	Serial port of the SafeGuard CryptoServer PCI plug-in card (labeled "CS1")
	1 x DB9	Not connected (labeled "CS2")
	2 x USB	USB 2.0 ports (behind front door)



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Interfaces on the rear face	1 x PS2	combined mouse/keyboard port
	1 x DB15	VGA connector (screen)
	1 x RJ45	10/100/1000 MBit Ethernet
	1 x RJ45	10/100 MBit Ethernet
	1 x DB9	Serial port on SafeGuard CryptoServer PCI plug-in card
Removable storage medium	Floppy drive	3½ inch, 1.44 Mb, DOS-formatted floppy disks
Environmental temperature	in operation	+10° C to +30° C (+50° F to +86° F)
	in warehouse	-10° C to +55° C (+14° F to +131° F)
Humidity	10 to 95% relative humidity, non-condensing	
MTBF	110,000 hours at 25° C / 77° F (in acc. with MIL-HDBK-217)	
RoHS, WEEE	RoHS compliant, Elektro-Altgeräte-Register DE39805015	
Conformity	EMC emission: EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EMC immunity: EN 55024, EN 61000-4-3, EN 300 386 V1.4.1 Equipment safety: IEC/EN 60950-1 (CB scheme) FCC 47 CFR Ch. 1 Part 15 Class B UL Climatic and mechanical conditions: ETSI EN 300 019 storage class 1.1, transportation class 2.1 (with temperature range limited to temperature in warehouse as above), stationary use at weather protected locations class 3.1	