



CPS Protect Base

Overview

- Appliance for IT / OT security and secure edge computing for Industry 4.0 use cases
- Fast & easily deployable secure edge computing solution
- Security lifecycle over industrial machine life span
- Secure docker environment for custom applications
- Secures the cloud from the edge
- Used in financial industries and governmental organizations since 2010
- Industrial grade PC (IPC) with G+D Mobile Security CryptoCore SSD PCI DSS compliant
- G+D Mobile Security Linux-based operating system, hardened by Secunet according to government / military standards, long-term lifecycle by G+D Mobile Security
- Includes applications like Web GUI for configuration of firewall & network, update, backup & restore and cloning, IDS and integrity check, container manager
- Patented security

Features

- From one-machine and production-cell support to company support
- Operation modes for
 - IP firewall
 - StealthMode firewall
 - DMZ mode
- Secure docker environment to run custom applications like IoT gateway, analytics, hybrid cloud implementations
- Easy-deploy wizard for Azure edge IoT gateway
- Supports all TCP and UDP protocols and the most important industrial protocols
- Audit log server support incl. SIEM
- Valid device recognition system
- Network access control support
- SecureTime synchronization
- SNMPv3 support
- Infrastructure diagnosis functionality
- Integrated IDS and integrity self-check
- On-the-fly encryption FTP<- ->SFTP or SMB<- ->SFTP
- Secure USB-to-network function to decouple USB port from machine

Hardware specification

- Intel ATOM DualCore E3827
- 2 GB DDR3L RAM
- 16 GB G+D Mobile Security CryptoCore SSD with G+D Mobile Security embedded secure element SCE7
- 2x Gbit LAN with Intel chip set
- 1x USB 2.0, 1x USB 3.0
- Buffered RTC
- Alu enclosure, green with G+D Mobile Security branding
- Status LED, power on / integrity / security alert
- Mounting on VESA 70, optional DIN rail mounting
- Power supply 100 – 240 V to 24 V with industrial connector
- Industrial grade operational temperature: -40°C – + 85°C
- 100% passive cooling
- IP40
- Shock- & vibration-tested, designed to meet EN50155
- RoHS, WEEE CE, FCC CoC certified
- Dimensions W/H/D: 85.6 / 33.8 / 83.3 (mm)

Delivery

- CPS Protect Base IT security & edge computing appliance
- External power supply
- Packaging carton (brown) with padding and S/N sticker
- Handbook as download

Add-on options

- 64 GB G+D Mobile Security CryptoCore SSD
- DIN rail mounting kit
- Optional DIN rail power supply 100 – 240 V to 24 V
- CPS central management
- Anomaly detection system
- G+D Mobile Security hardened IoT gateway agents for PTC Axeda or PTC Thingworx platforms, TLS encryption (TLS1.3 enabled), with edge computing and hybrid cloud capabilities
- Solution pack for hybrid IoT and secure augmented reality

**Giesecke+Devrient
Mobile Security GmbH**
Prinzregentenstrasse 159
81677 Munich
Germany

P +49 89 41 19-0
mobilesecurity@gi-de.com
www.gi-de.com/mobile-security

PTC, PTC Axeda, PTC Thingworx, are trademarks or registered trademarks of PTC Inc. or its subsidiaries in the U.S. and in other countries.

Linux® is a registered trademark of Linus Torvalds in the U.S. and other countries.

Intel, Intel Atom are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

© G+D Mobile Security GmbH, 2018.

All technical data subject to change without notice.
G+D Mobile Security patents.

May 2018