



# CPS Protect Advance

## 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 own applications like IoT gateway, analytics, hybrid cloud implementations
- Easy-deploy wizard for Azure edge IoT Ggateway
- Supports all TCP and UDP protocols and the most important industrial protocols
- Supports RS232 to LAN communication for machines without own network interface
- 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
- 4x Gbit LAN with Intel chip set
- 1x FTDI RS232, 1x USB 2.0, 1x USB 3.0
- Buffered RTC
- Alu enclosure, black with G+D Mobile Security branding
- Status LED, power on / integrity / security alert
- Mounting on VESA 75, 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 Advance 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

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