DAKSeco V3.10

Last modified: 5 February 2026

Performance feature / hardware detail	DAKSeco 110 based on DAKS-110 hardware	DAKSeco 200 based on DAKS-200 hardware
Housing/dimensions	desktop unit (165mm x 105mm x 45mm)	19" server (1U) for rack mounting
Number of parallel telephony channels	5 to 10	5 to 30
TC network connection technology	VoIP trunking (encrypted/unencrypted)	
Signaling protocols	QSIG, CorNet-NQ, SIP, SIP-Q, NI2	
Voice codecs	G.711, A-law or µ-law	
Computer and operating system	64-bit ARM Cortex-A53 w/ Linux™ operating system	▪ computer core 1 w/ µClinux™ operating system ▪ computer core 2 w/ Linux™ operating system
Mass storage *for program, data, licenses, logs and announcements*	pluggable Industrial Grade microSD card	pluggable Industrial Grade CompactFlash card
LAN interfaces *for VoIP, VCON service access, administration via browser and peripheral connection via ESPA-X, Syslog, NTP, SNMP and printer protocol (Raw/Port 9001)*	1x 10/100/1000BASE-T (GbE)	2x 10/100BASE-T (separate IP addresses) ▪ optionally one or two LAN connections ▪ VoIP separately if needed
Serial ports *galvanically isolated*	2x RS232/RS422/RS485 w/ ESPA 4.4.4/TAP protocol	
USB interface *for commissioning and service*	1x (Type C)	1x (Type B)
Log printer connection	optionally via LAN or via USB	
Power supply	via Power-over-Ethernet (PoE Class 3)	▪ via two separate internal power supplies, optionally from 24/48VDC or 115/230VAC (for redundancy purposes also in parallel) ▪ in connection with an external AC/DC converter also supply from 2x 115/230VAC
Power consumption	approx. 12 watts	▪ with AC: approx. 25 watts ▪ with DC: approx. 20 watts
Digital I/O	on the device: ▪ 16 digital inputs (monitored) ▪ 8 digital outputs ▪ 1 special relay output (normally open/ normally closed), e.g. for last-error message via USB gateway (IOG-03A): ▪ up to 32/64 digital inputs (monitored/ non-monitored), also mixed ▪ up to 16 digital outputs	on the device: ▪ 1 special relay output (normally open/ normally closed), e.g. for last-error message via USB gateway (IOG-03A): ▪ up to 32/64 digital inputs (monitored/ non-monitored), also mixed ▪ up to 16 digital outputs via DAKS-Satellite (max. 5x), each with: ▪ 16 digital inputs (monitored) ▪ 8 digital outputs ▪ 1 special relay output (normally open/ normally closed), e.g. for last-error message

DAKS®

... because it's about **responsibility**!

Performance feature / hardware detail	DAKSeco 110 based on DAKS-110 hardware	DAKSeco 200 based on DAKS-200 hardware
Time synchronization	via NTP	via NTP, or optionally via DCF77 port on the device (additional hardware required)
Country approvals *Country codes acc. to ISO 3166*	CE, FCC for: ■ All EU countries: AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK ■ Non-EU countries: AU, CA, CH, CO, GB, HK, ID, ME, MK, MY, NZ, PA, PH, RS, SG*, TR, US * Singapore: available as industrial product only	CE, FCC, and Australia RCM for: ■ All EU countries: AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK ■ Non-EU countries: AR*, AU, CA, CO, CH, GB, HK, ID, ME, MK, MY, NZ, PA, PH, RS, SG**, TR, US * Argentina: 48V version only ** Singapore: available as industrial product only *As of Oct. 12, 2020 (subject to change)*

The strengths of DAKSeco V3.10 at a glance

- Connection via VoIP to practically all PBXs, carrier networks or soft switches (unencrypted or encrypted)
- Connection of host data interfaces serially (2x RS232/RS422/RS485) and via ESPA-X (max. 5x)
- Flexible broadcasting processes in multitasking with priority control (up to 1,000 broadcast groups)
- Emergency conferences with participant dial-up and Phone Meeting Points with dial-in option
- Broadcast activation via SNMP traps, via Node-RED, via contact inputs, from nurse call or BMS/SCADA systems, control panels, web dashboards, via telephone or e-mail
- Simple location of terminal devices in DECT and WLAN networks (output of the Visited Station or Visited Access Point)
- Support via LAN of remote DAKS-Satellites for additional contact I/O and serial interfaces
- Alerting/notification via phone calls, e-mail, DAKS Mobile Client (DMC), OAP messaging, Gigaset AML, Mitel messaging, Spectralink XML RPC/MSF-3 messaging, or contact outputs with downstream acoustic or optical signalers
- Up to 1,000 announcements from wave files or via ad-hoc telephone recording
- Comfortable administration via browser GUI
- Extensive logging (audit-proof)
- Security mechanisms for adaptation to special security requirements
- Particularly high availability and durability → very high sustainability due to long operating time and hardware support

Last modified: 5 February 2026