

DAKSeco V3.10

Last modified: 24 January 2024

| Performance feature / hardware detail | NEW: 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 | <ul style="list-style-type: none"> computer core 1 w/ μCLinux™ operating system computer core 2 w/ Linux™ operating system |
| Mass storage <i>for program, data, licenses, logs and announcements</i> | pluggable Industrial Grade microSD card | pluggable Industrial Grade CompactFlash card |
| LAN interfaces <i>for VoIP, VCON service access, administration via browser and peripheral connection via ESPA-X, Syslog, NTP, SNMP and printer protocol (Raw/Port 9001)</i> | 1x 10/100/1000BASE-T (GbE) | 2x 10/100BASE-T (separate IP addresses) <ul style="list-style-type: none"> optionally one or two LAN connections VoIP separately if needed |
| Serial ports <i>galvanically isolated</i> | 2x RS232/RS422/RS485 w/ ESPA 4.4.4/TAP protocol | |
| USB interface <i>for commissioning and service</i> | 1x (Type C) | 1x (Type B) |
| Log printer connection | optionally via LAN or via USB | |
| Power supply | via Power-over-Ethernet (PoE Class 3) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> with AC: approx. 25 watts with DC: approx. 20 watts |
| Digital I/O | on the device: <ul style="list-style-type: none"> 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): <ul style="list-style-type: none"> up to 32/64 digital inputs (monitored/ non-monitored), also mixed up to 16 digital outputs | on the device: <ul style="list-style-type: none"> 1 special relay output (normally open/ normally closed), e.g. for last-error message via USB gateway (IOG-03A): <ul style="list-style-type: none"> up to 32/64 digital inputs (monitored/ non-monitored), also mixed up to 16 digital outputs via DAKS-Satellite (max. 5x), each with: <ul style="list-style-type: none"> 16 digital inputs (monitored) 8 digital outputs 1 special relay output (normally open/ normally closed), e.g. for last-error message |

| Performance feature / hardware detail | NEW: 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 <i>Country codes acc. to ISO 3166</i> | CE, FCC for: <ul style="list-style-type: none"> 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 <p>* Singapore: available as industrial product only</p> | CE, FCC, UL and Australia RCM for: <ul style="list-style-type: none"> 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 <p>* Argentina: 48V version only ** Singapore: available as industrial product only</p> <p>Note: 'Fire Security' and 'Life Safety' features were not considered in UL testing.</p> <p><i>As of Oct. 12, 2020 (subject to change)</i></p> |

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



Silberbachstr. 10
65232 Taunusstein-Wehen
Germany

Phone: +49 6128 963-0
Fax: +49 6128 963-499
Email: info@tetronik.com
Website: www.tetronik.com

DAKSeco V3.10 – Data Sheet | ID: 101777863 v24 | Copyright © 2024 tetronik GmbH. All rights reserved.

Disclaimer: The information in this document contains only general descriptions or performance features that do not always apply as described in a specific application. This is the case, for example, if certain options have not been ordered or if products change in the course of further development. Performance features are only binding if they were expressly agreed upon conclusion of the contract.

Last modified: 24 January 2024