DAKSeco V2.10

Last modified: 23 April 2019

Data Sheet

Feature/Properties	DAKS-Eco 100	DAKS-Eco 200
Housing/dimensions	Tabletop unit size 165mm x 105mm x 30mm	19" housing (1 HU) for rack installation
Number of telephone channels usable in parallel	4…8	4…30
PBX network connect technology	▪ VoIP trunking (uncoded/encrypted) ▪ S_0 trunking (2 ports) or S_{2M}/E1/ T1 trunking (1 port, only for North America) via plug-in module	▪ VoIP trunking (uncoded/encrypted) ▪ S_0 trunking (2 ports) or S_{2M}/E1/ T1 trunking (1 port, only for North America) via plug-in module
Signaling protocols	QSIG, CorNet-NQ, DSS1, SIP, SIP-Q, NI2	
Speech codecs	G.711, a-law or µ-law	
PC and operating system	1 computer core with µClinux™ operating system	▪ Computer core 1 with µClinux™ OS ▪ Computer core 2 with Linux™ OS
Mass storage device for programs, data, licenses, reports, and voice announcements	pluggable microSD Card	pluggable CompactFlash card
LAN interfaces for VoIP, VCON service access, administration via browser and peripheral interconnectivity via ESPA-X, Syslog, NTP, SNMP and printer protocol (Raw/Port 9001)	1x 10/100BASE-T (1 IP address)	2x 10/100BASE-T (2 IP addresses) ▪ either one or two LAN connections ▪ VoIP separately, upon request
Serial RS232/RS422 ports (electrically isolated) with ESPA 4.4.4/TAP protocol	▪ 1 port ex-works ▪ optionally 2 add. ports via plug-in print, as alternative to ISDN	2 ports ex-works
USB port for the initial system start-up	yes	
Protocol printer connection	only via LAN	electively via LAN or USB
Power supply	▪ either via a data switch with support of Power-over-Ethernet(PoE Class 2) ▪ or via a PSU looped into the LAN connection (PoE injector) from 100…240VAC	▪ via two separate internal PSUs, either from 24/48VDC or from 115/230VAC (for redundancy/backup also in parallel) ▪ in comb. with an external AC/DC converter: power supply also from 2x 115/230VAC
Power consumption	< 6.5 watts (PoE, Class 2)	for AC: approx. 25 watts, for DC: approx. 20 watts
Digital I/O	built into the device: ▪ 1 special relay output with make and break contact, e.g. for last error message ▪ 8 standard outputs ▪ 16 contact inputs with short circuit- and line break detection	built into the device: ▪ 1 special relay output with make and break contact, e.g. for last error message additionally up to 8 digital I/O modules, detached via USB and matching USB gateway, electively also mixed: ▪ either modules with 8 inputs w/o short circuit and line break detection, plus 2 outputs ▪ or modules with 4 inputs with short circuit- and line break detection, and with 2 outputs
National approvals: *(country codes pursuant to ISO 3166)*	UL, FCC, CE and Australia RCM with the following national approvals: ▪ All EU countries: AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK ▪ These non-EU countries: AR*, AU, CA, CO, CH, HK, ID, MY, NZ, PA, PH, SG**, TR, US * Argentina: Only 48V version ** Singapore: Sale only as an industrial product Note: Fire Security and Life Safety features were not considered in UL testing. *Last modified: 13 September 2018 – national approvals are subject to change*	

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The Strengths of DAKS-Eco V2.10 at a Glance

- Connectivity to practically any PBX system, carrier network or soft switch (VoIP uncoded or encrypted):
  - **DAKS-Eco 100:** with 4 to 8 channels ISDN[*1)] or VoIP – 1 or 3 serial ports[*2)] (RS232/422) – max. 1x ESPA-X – Contact I/Os: 16x IN, 8x OUT + 1x Special-OUT
  - **DAKS-Eco 200:** with 4 to 30 channels ISDN or VoIP – 2 serial ports (RS232/422) – max. 5x ESPA-X – Contact I/Os: max. 32/64x IN, 16x OUT + 1x Special-OUT
- Flexible broadcasting processes in multitasking operation, w. priority control (incl. 100 or up to 1,000[*)] broadcast groups)
- Emergency conferencing with subscribers called by the system and Phone-Meeting-Points with independent dial-in by the subscribers
- Launch broadcasts via contact inputs (with/without short circuit and line break detection), from control panels, over the phone, via email[*)] or host systems (serially via ESPA 4.4.4/TAP or through the LAN via ESPA-X)
- Support of remote DAKS-Satellite systems detached via LAN, with Contact I/O and Serial I/O[*)]
- Alerting/Notification through telephone calls, OAP Messaging, e-mail[*)] Aastra/Mitel Messaging [*3)], or contact outputs with downstream acoustic or visual signal generators
- 200 or up to 1,000[*)] announcements from WAV files, or recorded ad-hoc over the phone
- Hassle-free administration via browser (languages available: German/English/French/Dutch/Turkish)
- Detailed logging, revision-proof
- Security mechanisms for customized tailoring to specific security requirements
- Exceptionally high availability and longevity, extremely low total cost of ownership (TCO)

[*)] only for DAKS-Eco 200 [*1)] with S_0 trunking: only 4 channels
[*2)] 3 serial ports only in comb. with VoIP, not with ISDN
[*3)] alternative to OAP-Messaging

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