

Hardware Extension for DAKS-Pro/-Eco

# DAKS-Satellite

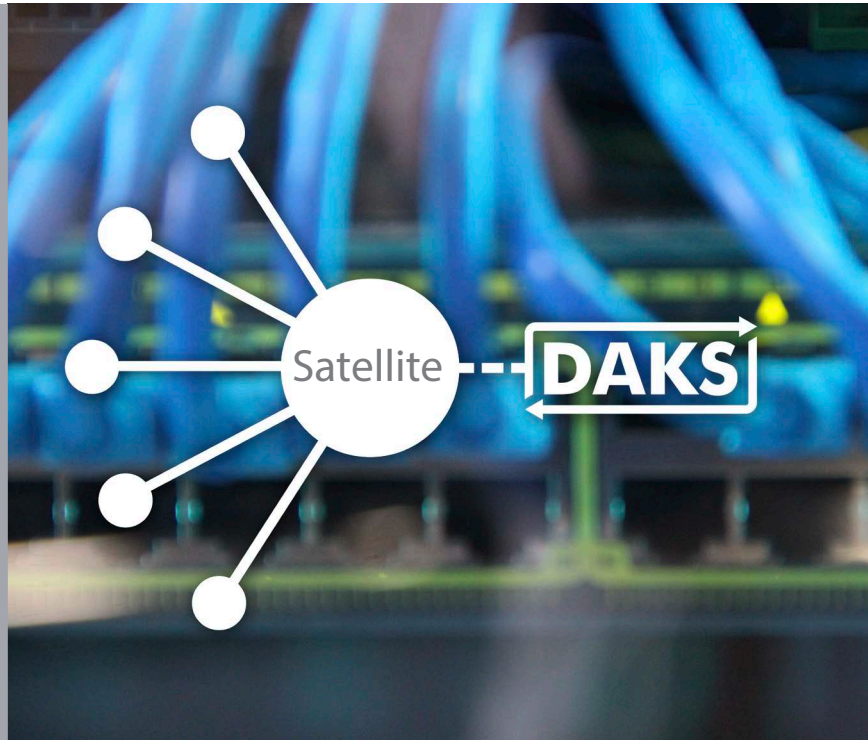
Software Version 2.0x

With the integrator DAKS-Satellite you can connect decentralized peripherals with serial interfaces or contact inputs to centralized DAKS systems via a secured LAN connection.

In this way, third-party systems such as fire alarm or call systems can activate processes configured in DAKS.

You can also use DAKS-Satellite for redundant installations to automatically switch between a primary and a secondary DAKS system at different locations in the event of a breakdown.

In conjunction with DAKS-Pro, DAKS-Satellite can process a multitude of additional data from remote contact modules (IOG/IOM).



## Integrator



Integrates peripherals at geographically distributed, even very remote locations into existing centralized DAKS Pro-/Eco systems

## Route extender



Bridges even long distances via LAN/WAN

## Breakdown manager



Routes user data to DAKS backup systems in a breakdown event

## Technical Specifications / Hardware Details

Performance Feature / Function	DAKS-Satellite (based on DAKS-100)
<b>Housing/dimensions</b>	table-top unit: 165mm x 105mm x 30mm (L x W x H)
<b>Weight</b>	approx. 450 g
<b>Processor</b>	computer core w/ $\mu$ Clinux™ operating system (virus-protected)
<b>Mass storage</b>	pluggable microSD card, 2 MB capacity (e.g. for operating system, license data and logs)
<b>Service interface</b>	1x USB/COM for connection to the terminal program (VCON) during commissioning
<b>Ethernet LAN ports</b>	1x 10/100BASE-T for connection to DAKS-Pro/-Eco via $\mu$ ESPA-X and for configuration
<b>Serial asynchronous ports</b>	1x RS232/RS422 (galvanically isolated) for connection of external systems via ESPA4.4.4 (e.g. call systems, fire alarm systems, building control systems, etc.)  or optionally (only in conjunction with DAKS-Pro):  1x RS485 for connection of remote contact modules (additional hardware required) with up to 128x IN (not monitored) or up to 64x IN (monitored) and max. 32x OUT
<b>Digital contact inputs</b>	16x IN (monitored, i.e. with short-circuit and line-break detection)
<b>Digital contact outputs</b>	8x OUT (galvanically isolated) + 1x relay output (max. 30 W, e. g. for last-error message)
<b>Power supply</b>	via Power-over-Ethernet (PoE) Class 2 in Mode A or B (IEEE 802.3af) from LAN switch or via power supply unit (PoE injector) from 100 .. 230V AC (included in delivery)
<b>Power consumption</b>	max. 6.5 W
<b>Cooling</b>	passive (convection ventilation)
<b>Operating conditions</b>	5°C .. 35°C at max. 95% relative humidity (non-condensing)
<b>MTBF</b>	> 400,000 h (period of observation: 5 years)
<b>Declarations of conformity</b>	EN 55022, EN 55024, EN 60950-1, IEC 60950-1, FCC Part 15 B, CE, CB-Scheme, CB-Reports, C-Tick
<b>Country approvals</b> (country codes according to ISO 3166-1)	EU countries: AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK  Non-EU countries: AU, CA, CH, MY, NZ, SG, TH, TR, US

## Order Information

**TNK:A8-UDSAT** – DAKS-Satellite V2.0x base system w/ one serial port

Other relevant order items:

- Required: **TNK:A8-UESX** –  $\mu$ ESPA-X interface license (for connection DAKS-Satellite  $\leftrightarrow$  DAKS-Pro/-Eco)
- Optional: Remote I/O modules (incl. additional hardware):  
**TNK:UDS-IOG485** – hardware base unit RS485  
**TNK:UDS-IOM82** – I/O module 8xIN (not monitored) + 2x OUT  
**TNK:UDS-IOM4S2** – I/O module 4xIN (monitored) + 2x OUT

