Hardware Extension

DAKS-Satellite V2.1x

Integration of decentralized peripherals

Via our integrator DAKS-Satellite with its up to three serial interfaces and monitored contact inputs, you can connect decentralized peripherals to centralized DAKS systems via a secure LAN connection.
This allows third-party systems, such as fire alarm or call systems, to activate processes configured in DAKS.

Furthermore, in redundant installations, you can use DAKS-Satellite to automatically switch between a primary and a secondary DAKS system at physically separate locations in the event of an emergency.

In conjunction with DAKSpro, DAKS-Satellite can also handle a large number of additional connections via remote contact modules (IOG/IOM).

Typical application areas

- Integration of remote nurse call systems, collection of sensor messages (e.g. fall mats)
- Façade protection, collection of FAS and sensor messages (IoT), also across sites
- Realization of campus solutions, monitoring of critical infrastructures and areas (e.g. laboratories)
- Collection of decentralized information (e.g. maintenance and service calls)

Integrator

Integrates systems at spatially distributed remote sites

Path extender

Bridges even long distances via LAN/WAN

Average manager

Routes user data to DAKS redundancy systems in the event of an emergency

If you have any questions about our products, please contact our sales staff, or find a certified retail partner near you at: **www.tetronik.com**

DAKS
... it's all about **responsibility**!

DAKS-Satellite V2.1x

Data Sheet

Technical data / hardware details

Feature / hardware detail	DAKS-Satellite V2.1x (based on DAKS-100)
Housing/dimensions	Desktop unit: 165mm x 105mm x 30mm (L x W x H)
Weight	Approx. 450 g
Processor	Computer core with µClinux™ operating system (virus-protected)
Mass storage	Pluggable microSD card, capacity 2 GB (e.g. for operating system, license data and logs)
Service interface	1x USB/COM for connection with terminal program (VCON) during commissioning
Ethernet LAN ports	1x 10/100BASE-T for connection to DAKSpro/-eco via µESPA-X as well as for configuration
Serial asynchronous ports	1x or (from DAKSpro V9 or DAKSeco V3) optionally 3x RS232/RS422 (galvanically isolated) for connection of external systems via ESPA4.4.4 (e.g. call systems, fire alarm systems, building management systems, etc.) or (only in connection with DAKSpro – additional hardware/licenses required): 1x RS485 for connection of remote contact modules with up to 128x IN (not monitored) or up to 64x IN (monitored) and max. 32x OUT
Digital contact inputs	16 (monitored, i.e. with short-circuit and open-circuit detection)
Digital contact outputs	8 (galvanically isolated) + 1 relay output (max. 30 W, e. g. for last error message)
Power supply	Via Power-over-Ethernet (PoE) Class 2 in Mode A or B (IEEE 802.3af) from the LAN switch
Power consumption	Max. 6.5 W
Cooling	Passive (convection ventilation)
Operating conditions	5°C ... 35°C at max. 95% rel. humidity (non-condensing)
MTBF	> 400.000 h (observation period: 5 years)
Declarations of conformity	EN 55022, EN 55024, EN 60950-1, IEC 60950-1, FCC Part 15 B, CE, CB-Scheme, CB-Reports, C-Tick
Country approvals (Country codes acc. to ISO 3166-1)	EU countries: AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK Non-EU countries: AU, CA, CH, GB, MY, NZ, SG, TH, TR, US

Order information

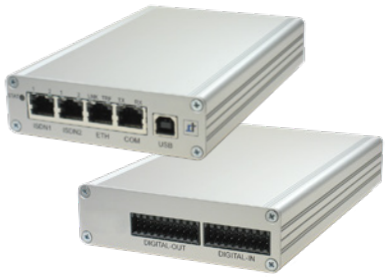
Basic system consisting of:

- **TNK:DST2H-C1** – DAKS-100: Server H/W for DAKS-Satellite with 1x RS232/RS422
- **TNK:DST2L-BAS** – Basic license DAKS-Satellite

Other relevant order positions:

- **TNK:DP9L-DIF** – Host standard data interface serial and/or
- **TNK:DP9L-IOM** – Digital I/O license

Optional: Various order positions for remote I/O modules (on request)



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