

## Server rack protection with palm vein biometrics

#biometrics

#palmveins

#accesscontrol

### Full integration of the FATH Mechatronics TANlock 3

TANlock 3 can now be used to secure server racks with a palm vein module from iCOGNIZE. The configuration can be carried out as usual using our Plexus management software. Up to eight server racks can be secured by one Authentication Unit (AU). The power supply and opening of the server racks is done via network and Power over Ethernet. The solution consisting of the TANlock 3 from FATH Mechatronics and the biometric palm vein scanner from iCOGNIZE is available for almost all common rack types such as Knürr, Vertif, Stengel, Rittal, Minkels, etc. The product with all its necessary components is available from iCOGNIZE GmbH.

The TANlock 3 locks can be easily integrated into existing iCOGNIZE systems. Authorisation, configuration and support are performed in the Plexus management software of iCOGNIZE. The hardware structure is identical to that of palm vein scanners built-in locks and cages, where the sensor system is connected to an AU. The TANlock 3 can be easily installed on existing server racks. There are several variants available. Here we present two options as examples.

**Variant 1: One TANlock with a palm vein scanner on each server rack.**  
Here, a TANlock 3 with a palm vein module is installed on each server rack. Up to eight palm vein modules per AU can be connected. A person holds their hand in front of the server rack, and it opens automatically after successful authorisation. **The advantage:** Each server rack can be opened directly by any authorised person at any time.

#### Variant 2 – One TANlock with a palm scanner on one server rack per row.

In this case, one TANlock 3 with a palm vein module is built in one rack row. The remaining server racks in this row are equipped with TANlocks without palm vein scanners. A person holds their hand in front of the server rack with a palm vein scanner and has a configurable amount of time to open the racks with a button. **The advantage:** low costs, only one palm vein scanner is needed per row.

