

# iProtect Processing Unit - 8 (iPU-8) INTELLIGENT SUBSTATION

## iPU-8

When opting for the iProtect™ integrated security management system, the substation used seems of secondary importance. The functionality of the central software in systems is often the deciding factor. Yet, to a large extent, the substation determines the flexibility, service life and continuity offered by the solution.

The iPU-8 runs on a µLinux platform

data traffic is too heavy or a network failure occurs, data buffering becomes necessary. A system in which transactions may be lost is unacceptable. For this reason, the iPU-8 ensures with 100% certainty that the buffered transactions will reach the system hub. Moreover, the iPU-8 has the facilities required to attach an emergency power battery and is able to measure such a battery,

without the addition of extra cabling. The iPU-8 is also suitable for communication via VPN/ADSL. In this way, widely separated components can still be part of one integrated system.

## iPU-8 as local intelligence

The iPU-8 decides whether a person is given access without communicating with the central system. The iPU-8 manages all the linked peripherals itself, independently. As well as being highly advantageous in the event of a communication failure, this also offers the scope for connecting the iPU-8 via an IP connection to the central system and to have it communicate only periodically with the system hub. The iPU-8 is configured completely via the central system software, which reduces the installation costs. Moreover, included in the firmware of the iPU-8 is a diagnostic function. This enables the installer to fully test the complete installation locally with the aid of a laptop. The iPU-8 requires zero maintenance and the electronics are cast in a moulding resin.



and can be combined only with iProtect™ versions from 6.03 onwards. The substation fulfils all the requirements required to carry a CE marking and the demanding FCC marking.

## Buffering and data processing

The iPU-8 communicates via a LAN/WAN infrastructure with the central system. When, for example,

which means operating security is ensured under all conditions.

The iPU-8 measures both the mains voltage and the battery, enabling the early detection of any problems.

## iPU-8 over large distances

The iPU-8's communication is based on the TCP/IP ethernet. As such, the iPU-8 can be included in every existing ethernet network

