

Siedle's IP-based Access

Written by Bob Snyder
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At ISE, Siedle presented its new access installation system based on the structured wiring of the internationally uniform IP standard. Building communication now becomes part of the network—with considerable benefits for planners, builders and users.

From wiring compliant with DEN EN 50173 and transfer protocols to the connection technology, **Siedle Access** employs the same network standards used in IT, building systems engineering and telecommunications. And that simplifies the handling of the system from planning to commissioning.

Access is ideal for large-scale applications because the digital transmission involved eliminates the range restrictions of analogue technology and extends the number of telephone routing options and video connections. IP addressing allows for more than 1000 subscribers and also facilitates their administration. Highly efficient encoding procedures (G.711/G.722 and H.264) achieve good audio and video quality with low bandwidth requirements.

Siedle Access uses an IP system throughout – except they do not continue the network to the exterior, outside of the door. Access door stations are connected with a Cat-5 cable so that a continuous wiring system can be implemented. Data are only transferred to the IP network within the protected area inside the building. Siedle installs a special controller between the

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network and the unprotected public area. If would-be intruders were to gain physical access to the connecting cable, they would have no chance of opening the door or penetrating into the network.

Siedle Access is also backwards-compatible to the current Siedle Multi high-performance system.

Users are not restricted to a few terminal devices, Siedle showed a large variety of genuine IP devices for the door units and indoor stations, which even extends to individually configured and designed individual items.

In order to guarantee full operational and functional security in compliance with its own standards from the outset, Siedle is initially planning to introduce the new system in pilot projects as from 2011. These projects will receive intensive manufacturer support from planning stage through to implementation.

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