

NPCII – converter with integrated Hardware-Firewall

In systems, which require a strict separation of the customer network (e.g. POS network, ATM network) from the video network, the data convert NPC will be the first choice:

The NPC incorporates 2 LAN ports, who are physically separated to each other. Each port is connected to a controller alone; there is no internal switch or something like that.

The converter is constructed and designed in such a way that by receiving data coming from cash registers via the Ethernet port "LAN-POS" only the relevant data will be captured and internal linked to the second controller via a two-wire interface (TWI). This 2nd controller establishes a TCP connection via the port "LAN-PC" to the video recording system in order to transmit the information in a proper way.

Due to the fact that the TWI interface only works in the direction customer network -> video network any retroactive effect from the video system to the customer network are technically impossible.

On the converter there is no operating system installed: Both controllers are running as a proprietary system, there is no way installing viruses or malicious software.

Advantages at a glance:

- Two physically separated and handled LAN-ports
- Only ICMP, ARP and UDP protocols will be supported (only UDP receiving!)
- Any transmission from the Video-network back to the customer network is technically impossible
- NO operating system (OS) installed, manipulation by malicious software/virus impossible
- Programming and configuration only possible with proprietary tool from video network
- There will be no storage of any data inside the converter
- Design and software programming made in Germany