

Global Field Services & Plant Modifications

Plant Security

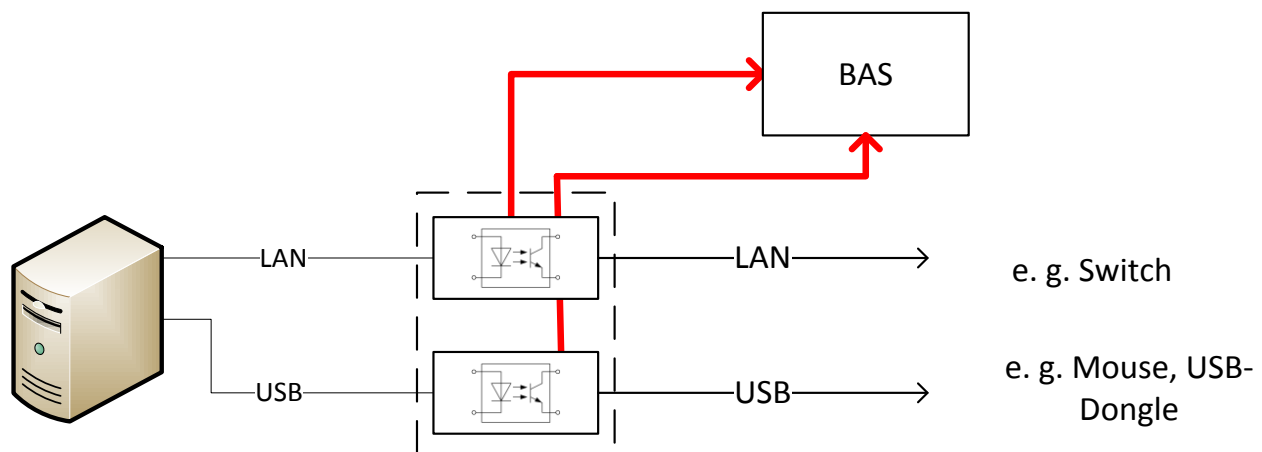
IntSecure – Interface Secured

Background

In the field of Information Technology (IT) security, it is important to prevent the unauthorized manipulation or modification of a system. Until now, software-based methods have been used for detection. In addition to the IT system protected, it is also necessary to provide proof that the software-based monitoring system is checked and verified.

IntSecure is a hardwired interface adapter without any need of IT to detect an interface manipulation.

The monitoring adapter acts as an interface extension. It is connected to the IT system and the component to be connected to the monitoring adapter. In order to recognize a disconnection of the component plug, the plug-in position of the component plug is also controlled within the adapter and is transmitted as a detection line to a burglar alarm system or other signaling device.



Exemplary illustration of two secured interfaces

Description

Each system interface of an IT system has mass potentials, system voltages and signal lines which are used for controlling the interface by an adapter and are picked up in parallel via optocouplers. By means of this monitoring method, an alarm message can be triggered to a burglar alarm system or to other signaling devices when the monitoring adapter is removed.

Benefits

- Easy to implement
- Various interfaces can be secured
- Independent of information technology
- Interfaces can be used without removing the IntSecure adapter

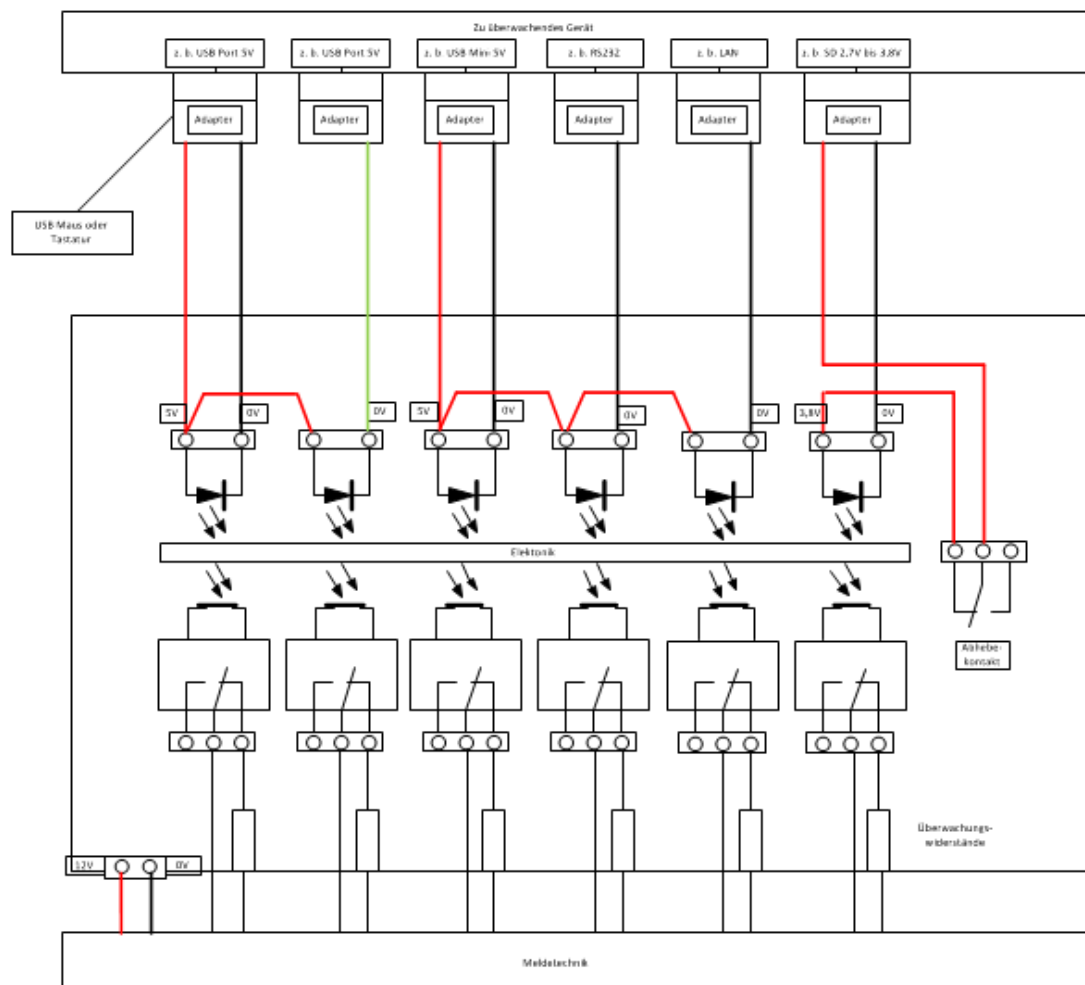
Deliverables

IntSecure consists of the following components:

- IntSecure adapter
- Distribution box

Experience

The Westinghouse Plant Security group, with more than 30 years of experience, provides periodic verification of plant security by utilizing combined safety and security competencies as a one-stop shop to decrease customer efforts and costs.



Principle circuit configuration