

# Control and Data Centres

## WEY Turnkey Solutions for more Security

When security is the highest priority, highly efficient and ergonomically designed workplaces are essential.

With integrated solutions from WEY, operators manage complex systems intuitively.

Stay in control with a single press of a key.



### Advantages

Some of the most notable advantages of integrated WEY Solutions are the realisation of a free seating concept, the flexibility of system architecture and the integration of multiple platforms.

Keyboard, mouse, video and audio-signals of PCs are remoted from a system room to the desk. Remoting PCs significantly improves the total energy balance of an IT system and guarantees a comfortable office climate. User Moves, Adds and Changes (MACs) are conducted quickly and easily.

With the Allocation System, multiple source signals are switched and distributed to the workplace in real time. An Allocation System is independent of operating systems, networks, platform and hardware vendors.

A rapid Return on Investment (ROI) can be realised thanks to the high quality of the system, its flexibility and modularity.

### Highlights

- **Free seating concept for high flexibility and security**
- **Real time access**
- **High reliability due to redundant power supplies and backup system**
- **Independent from platform and hardware vendors**
- **Signal transmission over in-house cabling (TwP) up to 300m and fibre optics (SM/MM) up to 4km.**
- **Event handling for displays and alarm confirmation**

### Multifunctional Keyboard

WEY Multifunctional Keyboards enable operators to control up to 6 workstations with a single keyboard and mouse.

A broad range of keyboard types (e.g. serial, PS2, USB) and platforms (e.g. PC, Reuters Dealing, SUN) are supported.

WEY Keyboard functionality can be extended with a Video Deskswitch or Video Distributor to control the handling of video signals from workstations to monitors on the desk.



### Remote Solutions

Remote Solutions mean that dedicated workstations can be located in a protected and air-conditioned area such as a system room.

Video, audio, keyboard, mouse and data signals (RS232/USB) will be transmitted over twisted pair cables (UTP/STP) or fibre optic (SM/MM) cables.

Signal transmission occurs in real time.



### WEY Allocation System

In combination with a WEY Allocation System, users can select and control numerous dedicated, slaved or shared services.

The Allocation System offers several features to reduce the costs of IT infrastructure and implement Green IT policies.

#### Free seating concept

The free seating concept allows users to logon to the Allocation System from any desk where a WEY Keyboard is installed.

When a user moves to another desk, he simply logs on again and gets immediate access to all sources defined in the user profile.

This simplifies and significantly reduces overall MAC costs.

#### Multiple Screen Display

Sources can be displayed independently on one or several screens. Dual and quad screen sources are fully supported.

#### Source/Service selection

A selection of dedicated, slaved or shared sources (PCs) is possible.

Available sources are visualized on the keyboard's display and can be selected with a corresponding function key.

#### Access rights

Access rights and priority levels per user and source are defined in the user profiles.

## Infrastructure

A single WEY Keyboard and mouse are required on each desk to control all the users' workstations.

Based on requirements, one or more screens for dedicated and/or switched workstations are installed.

Audio, video and data signals of the WEY Remote Solution and Allocation System are transmitted to the desks by using in-house cabling (UTP/STP). For twisted pair infrastructure we recommend using shielded cabling (STP/SSTP) of CAT6 or higher.

Distances up to 300m between the system room and desks are supported. For longer distances, we recommend using single mode or multimode fibre optics cable.

## Heat and noise radiation

When workstations are moved to a system room, a compact receiver box is installed at the desk. Thus air conditioning in the office space is more effective, and heat radiation from computers in the system room is dissipated much more efficiently. And operators benefit from a much quieter working environment in the control centre.

## Access rights

Services can be shared, dedicated or slaved. View-only rights enable users to observe TV, CCTV, charts or other information sources.

## References

### Fire, Police, Ambulance

Emergency Services, Rotterdam/NL  
Cantonal Police, Nidwalden/CH  
Fire Department, Neuchatel/CH

### Traffic

Hamburger Hochbahn, Hamburg/D  
Unique Airport, Zürich/CH  
Kirchenwald Tunnel, Nidwalden/CH

### Satellite

SES Astra Satellite, Luxembourg

## Example of a WEY Allocation System

The picture below shows an example of how a WEY Solution can be implemented in control centres. Each user controls dedicated workstations and video switch information sources with a single multifunctional WEY Keyboard on the desktop. Sources can also be managed over the WEY Keyboards and projected onto large screens or a video wall.

### Allocation System / Remote

The Allocation System and Remote Transmitters are installed in a system room in 19" racks. System PCs are located in cabinets beside the Allocation System. The Allocation System handles PC, SUN and other source platforms used for alarm management systems and camera Interfaces, etc.

Keyboard, mouse, video and audio interfaces are connected to the Allocation System. Dedicated systems are connected to the Remote Transmitter. Signals are transmitted via structured cabling (UTP/STP).

### Access by one Keyboard/Mouse

Users logon to a multifunctional WEY keyboard in order to access sources. The sources can be displayed and switched onto a single or multiple screens. Sources with up to 4 video outputs can be integrated into the solution.

Traders and operators can control up to 6 dedicated workstations (remote or local) via the WEY Keyboard. Access to both dedicated workstations and switched sources is controlled by a single key press. Alerts and events are handled efficiently.

### Desk environment

A compact chassis with receiver equipment is installed at each workplace. Chassis are available in different sizes and can be customized according to customer requirements.

