

# TK Consoles

## // TK Console Series

The TK consoles have been designed by taking into account the current technological evolution that is gradually moving in the direction of concentrating information sources in multifunctional terminals, without having them distributed on separate controls or panel indicators and displays.

Another driving force that brought to the development of the TK series is the need of offering customers a very flexible and highly modular set of consoles and solutions that promote and encourage easy integration of different equipment and devices.

Last, but not least, logistic aspects have been pushing to think of solutions that contribute in making shipping and installation of consoles all over the world as cheap and easy as possible, with limited effort; this results in the possibility for customers to possibly assemble these consoles by their own.

## Operational scenarios

The main goal of the TK console series is the capability of adapting to all operational needs, without being hindered by space and room shape constraints. The design of TK consoles for a specific usage (regardless whether it is an airfield tower or an operations rooms or any other application) starts from its mechanical modular skeleton.

The exceptional adaptability allowed by the modular way the console structure is made of allows taking into consideration all possible aspects that may limit the use of other types of consoles. Once the overall structure of the whole set of consoles is defined, the individual consoles

are assembled, thus perfectly adapting to the customer operational scenarios and available space.

Consoles can be used in towers or operational and ACC rooms. The TK series of consoles is proposed in two versions that are aimed at coping with the different and specific needs in these environments:

- **TK/ACC** - High profile console giving operators a clear understanding of the overall situation.
- **TK/TWR** - Low profile console guaranteeing out-of-the-window view for exceptional situational awareness.

## Core structure

The secret of the TK console series and its extraordinary flexibility lies in its core aluminium structure. TK consoles are in fact based on aluminium profiles that improve strength, lightness and modularity in construction.

All angles can be designed with different degrees of amplitude, according to operational requirements, thus allowing a precise and complete setting of the consoles in airport towers and control rooms.

Thanks to this technical solution, consoles are available for almost any desired angle, thus improving the exploitation of the available space and the optimum positioning of the working staff. This also allows to freely define the size of the consoles themselves when they are ordered.

It is in fact not just a matter of space and size, but also of systems dimensioning and costs. Airport towers have the need of allocating space to a limited number of controllers and to the devices they utilize, in buildings where space may often be a critical issue.





## Added values

Besides all the above mentioned features that by themselves make TK consoles the best choice for airfield towers and control rooms, the following additional added value features are to be also taken into account:

- Easy assembling on site
- Reduced transportation costs
- Extreme flexibility, especially for non-conventional room layouts
- Fully customisable workplace with many customizable options
- Ergonomic design for comfortable operator/controller sitting and operational awareness
- High attention to health protection to alleviate stress and discomfort over long usage times
- Large internal console space with rear access for non-disruptive maintenance
- Noise reduction
- Very limited head-up / head-down movements for operators

The number of racks inside the console and their height depends on the size of the console. As a general rule, they host 2 racks whose maximum height is 10 U each, but different solutions are possible.

Colors can be freely chosen by the customer.



## Exceptional finishing

The operator work plane is made of MDF (Medium-Density Fibreboard) that allows to have a thinner and lighter, but at the same time lasting, fireproof, non-toxic and recyclable surface.

Among the very many distinguishing features, the following ones are significantly worth being mentioned:

- The arms holding monitors and lamps can slide on dedicated rails
- Easy cabling (with brush strips)
- Free positioning of communication devices and/or screens on the working surface
- Possibility of fitting keyboards, monitors and other devices into the working surface
- Fixed or slidable drawers alongside the console with/without tempered glass door
- Clear out-of-the-window (OTW) view, especially for airport tower installations

Front, rear and side panels are also made of painted aluminium with polyester acrylic resin finishing. The rear closing panels are also equipped with slits for heat dissipation and equipped with snap-on handles for quick access to the inner console space.



Characteristic	Default Value
Desk Height	743 mm
Depth at desk level	1080 mm
Length	Customizable
Weight	70 kg/m
Colors	Customer can choose