

PCF Consoles

// PCF Console Series

Consoles belonging to the PCF series are designed to accommodate one or more large display screens of different sizes and weights that can be easily fixed to appropriate adjustable arms, so that displayed information is immediately available to the operator or controller.

Radar, weather, maps, flight schedule monitors are just some of the possible examples of data that is required to be accessible at a glance by the operational staff on duty. The optimal design of this series of consoles allows controllers to look at the screens without losing operational and situational awareness.

Special attention is paid to allow easy installation and on-going operational maintenance access without affecting controller operations. Hinged rear doors for easy access to integrated equipment, internal lighting, sliding panels, footboard, 19 inches rack frames, protected power distribution, movable equipment carts are some of the available features that complete these consoles.



High and low profile

PCF consoles are manufactured in two height profiles to best fit operational applications. These are:

- **Low profile** – The work area of low profile consoles is made of a desk plane and an equipment/monitor section above it. The OTW (out of the window) view is not obstructed by any element or equipment, thus allowing operators and controllers to have a clear front vision. This makes them particularly suitable for airfield towers and emergency operational rooms.
- **High profile** – The work area of high profile consoles is the same as for low profile ones, providing the same capabilities and functionalities operators and controllers can access to. Besides that, a roll bar is added to install additional screens and monitors above the controller seat. The optimal application for this kind of consoles is ATC Approach and ACC centres.

Consoles of both profiles can be combined in modular sets for shipment volume reduction and ease of handling. Appropriate arms are provided to install monitors and permit their tilting in all directions to adjust the viewing angle for preventing any tedious light reflection.

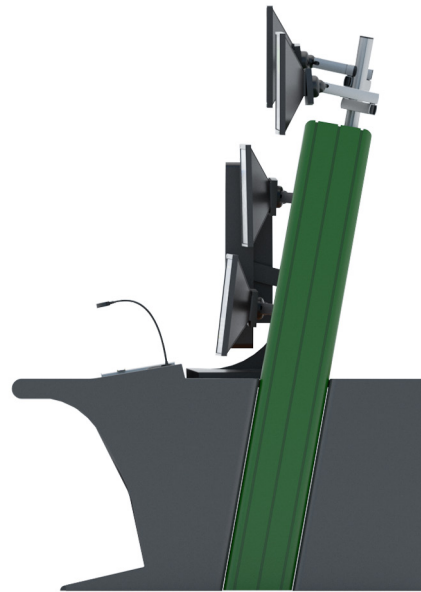
Key features

PCF consoles have a modular design to allow maximum flexibility when changes and upgrades are required, in accordance with evolving customer needs. Different sizes are available to optimize the available space and to accommodate different types of equipment, such as radar and monitoring screens of different sizes and weights. The key features of PCF consoles can be summarized as follows:

- Operative area
 - Wooden working desk
 - Wide writing plane
 - Headset/handset insertion panels (on both left and right sides)
 - Sliding panels for connectors
- Internal space for equipment and devices
 - 2 standard 19" racks inside the console
 - Protected power distribution
 - Thermo-magnetic breakers
 - Internal lighting
 - Optional cart for easy access to installed equipment
- Removable panels
 - Front and rear access panels
 - Side plates (left and right) allowing cabling between adjacent consoles
 - Optional noise reduction panels
- Miscellaneous
 - Arrangement for horizontal and vertical laying of cables
 - Anti-slip rubber foot rest board
 - Optional arrangement for foot PTT
 - Adjustable feet to compensate floor irregularities
 - Colors can be freely chosen by the customer

The number of racks inside the console and their height depends on the size of the console itself. As an example, the PCF150 model may host 2 racks on wheels whose maximum height is 12 U each.

The design of these consoles is such that the customer may decide by his own which devices shall be installed both on the working area and on the roll bar, without preventing any future change in this decision, because these consoles are so flexible, that they can be adapted to any evolution of operational requirements and needs.



Ventilation, noise and cooling

The environment where consoles are installed may vary significantly. There are situations where the heat produced by the equipment inside the console can be dissipated by simple natural ventilation grids or additional fans are required. In some other cases, the space inside the console shall be sealed to optimise air conditioning.

PCF consoles allow all these options on simple request, just like noise reduction panels that significantly improve the comfort to operators in case of noisy equipment installed inside the console.

All maintenance operations can be carried out seamlessly, without in any way disturbing or influencing the ordinary work of controllers, thanks to the panels on the rear that give full access to the devices inside the console. This allows a complete separation and isolation between controllers operations and systems upgrade and maintenance.

Some technical details

The following table shows some technical information about the consoles belonging to the PCF series.

Characteristic	Value
Length	1500 mm
Height (high profile)	1900 mm
Height (low profile)	1133 mm
Depth at floor level	1130 mm
Depth at desk level	1300 mm
Materials	<ul style="list-style-type: none"> Aluminium Stainless steel Wood
Colors	Customer can choose
Racks inside the console	2
Max height of racks	12 U