



CTI Systems is a leading supplier of integrated automated handling and processing systems, with a focus on heavy loads. Our portfolio includes automated material handling solutions, aircraft servicing systems, storage systems, surface treatment plants, assembly lines, as well as software solutions for production control and the optimisation of storage & distribution systems (MES & WMS).



CTI WIFI DOCK

CTI Systems WiFi Dock is height adjustable and allows access to aircraft fuselage crown areas. Safe working on WiFi Antenna or similar will be granted, with easy and convenient access from/to the floor and to the interior of the aircraft.

The WiFi Dock comprises 3 modules:

- Main module
- Door access module
(required for Airbus aircraft)
- Access stair

It is available in 2 versions, either for:

- wide body aircraft – combined use on A330, A350, B777 and B787, or
- narrow body aircraft of A320 series (A318 up to A321)

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WiFi Dock

BASIC FEATURES:

- Stiff and lightweight aluminium/steel substructure
- Design prevents from load induction onto the aircraft structure
- Anti-skid aluminium flooring (max 150 kg point load and 200 kg/m² distributed loads)
- Railings at all platform levels and landings with hand-/mid-railings, and kick boards
- Ground movable either by manual pushing or by standard airport tractors (using the included triangular tow bar)
- Secured positioning of the modules using heavy duty stabilizers
- Upper fall protection framing swivelling 70° upwards, allowing easy positioning on the A/C
- Upper fall protection framing coverage on crown is 4,7m x 3,5m (15.5ft x 11.5ft)



WiFi Dock on Narrow Body aircraft

SPECIAL FEATURES:

- **Motorised hydraulic height adjustment** by single electrical power unit installed on the main module connectable (non-spill quick connectors) to the door access module (only one power unit for both modules)
- **Double height adjustment** (only for Wide Body Dock) allowing adaptation to PAX door level and crown level of main module
- **Electromechanical safety locks** on lifting systems for enhanced personnel safety (redundancy)
- **D-shaped safety paddings** (skydrol resistant) compatible with carbon fibre aircraft on all aircraft adjacent sides
- **Canvas covered upper fall protection framing** reducing fear of height of operators
- **Gap free (FOD) fit** to the aircraft skin of upper fall protection framing when in lowered position (rubber skirts)
- **Sliding platforms on main module PAX level** granting aircraft contour adaptation
- **Telescopic handrails with kick-boards** at PAX level granting operator safety
- **Compressed air quick connectors** on upper level
- **Cable/hose reel** for power / compressed air retrieval from the hangar supply point
- **Padlocked doors** avoiding risk of operator fall. (padlock can only be accessed and removed once dock modules are in correct position)



DESIGN LOADS:

- Maximum load on main module: 465 kg
- Maximum load on crown platform level (main module): 365 kg
- Maximum load on door access module: 365 kg
- Maximum load on access stair: 265 kg