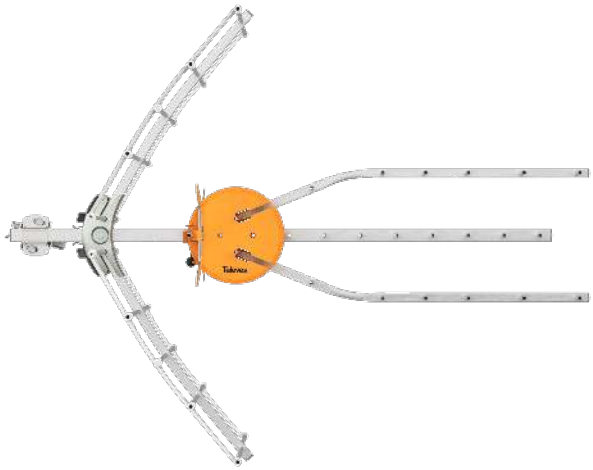


A6 data antenna, coverage extension for 5G mobile networks

A6 is a directional antenna designed to maximise the reception of 3G, 4G and 5G mobile signals in areas with poor coverage, improving the stability and quality of mobile connections in environments where the signal is weak or unstable.

Thanks to its directional design, the antenna focuses reception on the base transceiver station (BTS) and reduces the impact of unwanted signals. This, combined with its high gain, enables **more robust and reliable connections to be established, even in rural, remote locations or in areas with complex radio conditions**.

Compatible with the main bands used in **3G, 4G and 5G networks**, and including particularly relevant coverage bands such as 700 MHz (n28), the A6 antenna offers a versatile solution capable of adapting to different operators and network deployments.

Its SISO architecture ensures stable and efficient signal reception, making it particularly suitable for coverage extension applications and repeater installations, where it acts as a ***"donor"* antenna** to improve the quality of the incoming signal before it is redistributed. It also provides an effective solution for **FWA** ***(Fixed Wireless Access)*** **applications**, optimising the incoming signal for fixed wireless access points located in areas with limited coverage.

Made entirely from **100% stainless steel and high-performance plastics with UV protection and corrosion resistance**, this antenna ensures maximum durability and mechanical stability, even in adverse weather conditions. Its structural design optimises aerodynamic performance, minimises wind load and strikes a balance between **mechanical robustness and reception performance**.

In addition, its optimised mechanical design allows for **quick, tool-free assembly in just 30 seconds.**

Ref.	160101
Logical ref.	A6DATA

EAN13	8424450337158

Other features	
Colour	Orange

Packaging info	
Box	1 pcs.
Box	1 pcs.
Box	1 pcs.

Physical data	
Net weight	1,640.00 g
Gross volume	64.30 dm^3
Gross weight	2,725.00 g
Width	897.00 mm
Height	694.00 mm
Depth	554.00 mm
Main product weight	1,640.00 g

Highlights

- **High-efficiency directional reception**: focuses reception on the base transceiver station (BTS), improving signal quality and reducing interference from other directions
- **Optimised for areas with poor coverage**: the combination of directionality and high gain improves connection stability in rural, remote locations or in areas with poor radio conditions
- **Compatible with 3G, 4G and 5G mobile networks**: designed to operate on key mobile bands, including coverage frequencies such as 700 MHz (n28), and is suitable for use with different operators and in various installation scenarios
- **SISO architecture for stable connections**: ensures efficient and reliable operation in repeater and coverage extension applications, where the quality of the input signal is critical
- **Suitable for donor systems and FWA applications**: designed to act as the primary receiving antenna in repeater systems or FWA solutions, optimising the signal before it is redistributed
- **Aerodynamic design optimised for link stability**: the structural arrangement of the reflectors, dipole and booms ensures stable performance of the antenna array and efficient signal reception outdoors
- **Corrosion-resistant**: made from high-quality aluminium, with corrosion-resistant fixing elements and stainless steel screws to ensure maximum durability for outdoor use
- **High durability for long-term installations**: plastic components with UV protection and resistance to moisture, saline environments and temperature fluctuations maintain their mechanical stability over time
- **Quick, tool-free assembly**: its mounting system allows the antenna to be assembled in under 30 seconds, significantly reducing installation times
- **100% Televes philosophy**: designed, developed and manufactured entirely at our robotised facilities, ensuring product quality through specific manufacturing controls and tests

Application example

Typical application for a mobile coverage extension system with a booster and indoor data PCB antennas

