

# NANO

NANO POWER



NEXT GENERATION TRANSPORT PLATFORM

## REMOTE UNIT

CELLULAR, GIGABIT ETHERNET & BLUETOOTH



NPRU

The CrossFire Nano Power platform is a next generation technology capable of simultaneously delivering 2G, 3G, 4G and 5G services, across multiple network operators, bands and modulation schemes utilising central or distributed Radio Access Network resources, both physically and virtually. With 15dBm of radio power designed for rack mounting, the Nano Power Remote Unit is ideal for Enterprise markets where structured cabling is the primary medium for communication systems within the building.

## A REVOLUTION IN WIRELESS DISTRIBUTION TECHNOLOGY

### Features

Future-Ready for 5G frequencies and design objectives

CAT 5E/6A Cabled Remote Unit

PoE (Power over Ethernet) Support

4-Band (2x2 MIMO, 4x1 SISO)

Software Configurable 700-2700 MHz

Wideband Software-Defined Radios

Integrated Bluetooth, to support Indoor Location Based Services

Gigabit Ethernet & Small Cell support



ACCESS UNIT

AU



EXPANSION UNIT

EU-E

NANO POWER REMOTE UNITS  
ARE SUPPORTED BY THE CROSSFIRE  
FAMILY OF AU & EU-E HEAD ENDS

# CrossFire NANO - Applications

Building owners, enterprise and mobile operators have been looking for a 'Wi-Fi like' approach to delivering in-building cellular services. The use of structured cabling with Power over Ethernet (PoE) capability, enables 'active antennas' capable of delivering intelligent functions to be installed at a much lower cost than traditional solutions.

Once the antenna can be deployed as active, it is possible to deploy MIMO without duplicating cabling infrastructure, but will also allow for new applications, including indoor location & IoT.

CrossFire NANO is the first solution combining Cellular, Gigabit Ethernet and Bluetooth Beacons into a single platform. A true network convergence!

## PAY AS YOU GROW

With CrossFire NANO, the deployment cost is aligned with the bandwidth in service. Through a simple change in the software license of each NPRU, the CrossFire NANO platform can scale to fit the client's needs.

In the case of landlords, the NPRUs could be deployed with zero bandwidth and later updated when mobile operators connect to the system.

The CrossFire NANO is a flexible, scalable platform that is ideal for third-party funded infrastructure, where capital investment is a key factor.

Bandwidth can be delivered where and when it is needed.



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