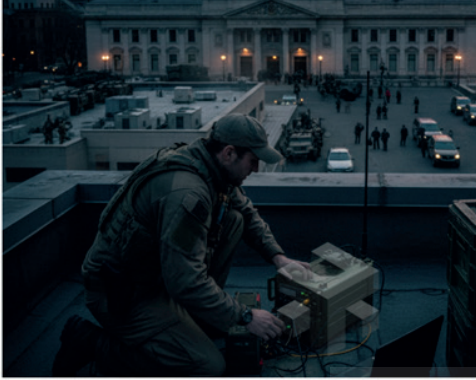




# V3 5G Base Station

## Secure, Adaptive, & Rapidly deployable 5G comms

The JET V3 5G Base Station delivers a private, expandable communications platform for defence and security applications.

Built with edge compute, it ensures adaptive spectrum management, interference mitigation, and secure, low-latency connectivity for modern battlefield networks.

With a significant increase in edge processing capacity, and up to 2 bands, each with 56Mhz of bandwidth.

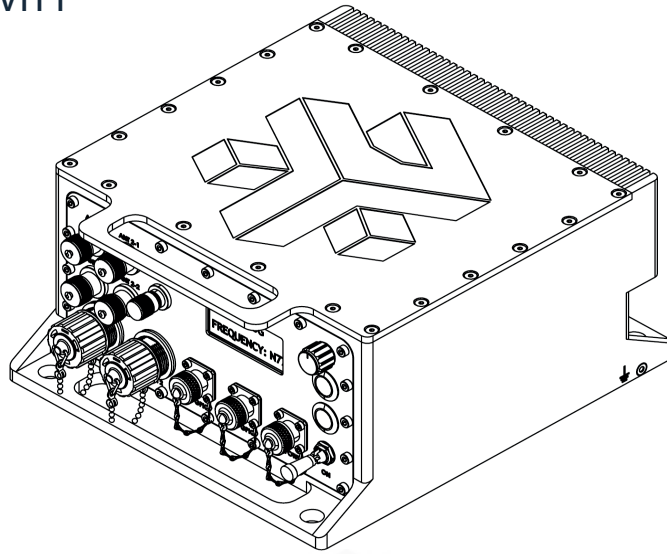
This is distributed by two independent RF signal chains totalling 4x 2W channels of 5G, when paired with an omnidirectional antenna, can broadcast up to 2,000m in a bubble, and maintain multiple low latency, high bandwidth connections.

With a 100% sovereign designed and built software and hardware stack, JET's gNodeB range features a variety of product functionality and integration options to interface with a range of devices, backhaul connectivity choices, 5G network cores and antennae.

JET Connectivity is a globally leading developer of IAB wireless connectivity, providing dynamically configurable and resilient communications networks in challenging operating environments, we welcome invitations to trials, pilots and demonstrations.

## Key Features

- **Low SWaP**  
Designed for portability and minimal footprint
- **Rapid Deployment**  
Deployable in seconds, not hours
- **Flexible Network and Backhaul**  
IAB and WAB compatible, any bearer backhaul
- **Unmatched Resiliency**  
Ensures uninterrupted command and control
- **Fully Ruggedised Design**  
Engineered for field use with ingress protection, shock, and vibration resistance



#### General Specification

|                             |                                                       |
|-----------------------------|-------------------------------------------------------|
| Model Number                | JET V3                                                |
| Available Colours           | White / Black / Green / Stone - Def Stan 80-225       |
| Physical Dimensions         | 275 (w) x 150 (h) x 310 (d) - including carry handles |
| Mass (kg)                   | 12 kg (Typical Configuration)                         |
| Mounting Options (internal) | Anti-Vibration Mounts M10                             |
| Mounting Options (external) | Carry handle                                          |
| Manufacturer Marking        | CE / UKCA                                             |

#### 5G Base Station to UE Connectivity

|                 |                                       |
|-----------------|---------------------------------------|
| Frequency Range | 70MHz to 6.0GHz (Set Bands Available) |
|-----------------|---------------------------------------|

#### Backhaul

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Hard-Wired Backhaul | Ethernet Cat7                                         |
| Non-Wired Backhaul  | Range of connection methods and frequencies available |

#### RF Front End

|                                                |                                         |
|------------------------------------------------|-----------------------------------------|
| TX / RX Channels                               | 4                                       |
| TX / RX Gain Range                             | As per 3GPP, range >2,000m              |
| Max Average (NON 8.5dB PAPR)<br>Transmit Power | 33dBm (2W) Per Ch - 36dBm (4W Combined) |

#### Alt Nav

|                 |                                                                    |
|-----------------|--------------------------------------------------------------------|
| Timing platform | On board precision timing capacity optional (for GNSS replacement) |
|-----------------|--------------------------------------------------------------------|

#### Interfaces

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| External Data      | 2 x RJ45 Cat7                                                                |
| Antenna Ports 5GBS | 4 x N-Type (50 Ohm)                                                          |
| Antenna Ports GNSS | 1 x N-Type (50 Ohm)                                                          |
| Screen             | Low Power (66.9 x 29mm) 2.9" E-Paper Display - Equipment Functions Displayed |

#### Power & Environmental

|                               |                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|
| Power Port                    | Souriau UTO series                                                                                        |
| Power Input                   | 9-36VDC                                                                                                   |
| Ingress Protection            | IP68*                                                                                                     |
| Standards*                    | Def Stand 23-09, Def Stan 59-411 & Def Stan 61-5 Part 6,<br>Def Stan 00-35 Part 3 & 4 (and equiv MIL-STD) |
| Operational Temperature Range | -10 ° to +45 °C (Extended Range Temperature Available)                                                    |
|                               | *Designed to meet                                                                                         |