# **Rapidly** Deployable Private 5G Solution

**IES.5G**: A fully integrated, end-to-end, 5G radio, core and edge networking solution protected by true zero trust security .

Deploy a private 5G SA network in minutes on mobile edge hardware from Trenton Systems, protected by zero trust security from Zscaler® and powered by the latest Intel® technologies.

The IES.5G easily connects assets across environments, assuming no trusted zone in the network to guard data-at-rest, in-transit, and in-use against any vulnerabilities associated with using a private or public domain.

A private 5G Core coupled with CU/DU, implemented, orchestrated, and managed by Capgemini®, provides maximum flexibility, scalability, and reliability to enhance the performance of your network in the face of ever-evolving, complex workloads.

**TURN ON. GO!**

Scalable, zero trust architected, and edge-ready, the Integrated Edge Solution 5G is a rugged, compact, end-to-end private 5G radio, core, and edge networking solution that provides secure, ultra-reliable low-latency communication to and from assets across any domain.

### 5G OPEN RAN ARCHITECTURE

O-RAN- and 3GPP-compliant, vendor-agnostic network infrastructure greatly enhances configurability and scalability.

### UBIQUITOUS COMMUNICATION

Transceive data over various frequencies, including private 5G, SATCOM, or WiFi, to connect both man and machine.

### COMPREHENSIVE NETWORK SOLUTION

RAN and CU/DU/5G Core can be fully integrated into one system or distributed across multiple systems per application or program need.

The **IES.5G** enables rapid, secure deployment of aggregated/disaggregated hardware within remote and communications denied or contested environments, maximising performance and flexibility at the edge.

**Intel® PFR** protects against firmware attacks using an Intel® MAX 10 Field-Programmable Gate Array (FPGA).

**Intel® SGX** includes predefined portions of memory that can better protect sensitive information

**Intel® Total Memory Encryption** provides encryption of a computer system's physical memory

**Zscaler® ZIA, ZPA** ensures fully authorised and authenticated user access to the Internet, applications, and services.

**TPM 2.0** enables robust protection of critical data while strengthening overall system integrity and operational efficiency against various threats.

**Network slicing, VNFs, and CNFs** improve scalability, flexibility, and resource usage while drastically reducing hardware costs.

**Longevity** is at the core of what we do, thus enabling our customers to receive US-made solutions for decades to come.

**TAA compliance** is achieved because Trenton manufactures the IES.5G, and its other solutions, in the United States.

**Supply chain risk** management helps protect your system from potentially compromised counterfeit electronic parts and components
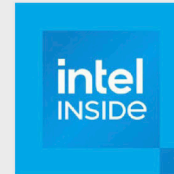
**OUT-OF-BOX READY. TURN ON & GO!**
## CONFIGURATION OPTIONS

1U Front Modular System
2U Tactical Edge Node
3U HPC Powerhouse

## Technical Specifications

| | |
|---|---|
| **CPUs** | INTEL® XEON® SP OR INTEL® XEON® D PROCESSORS |
| **MEMORY** | HIGH-FREQUENCY DDR4/5 ECC RDIMM SLOTS (UP TO 24X SLOTS) |
| **STORAGE** | HIGH-CAPACITY, SELF-ENCRYPTING DRIVES (FIPS 140-2/3 AVAILABLE) |
| **FORM FACTORS** | 1U - 3U RACK SERVERS, AT OR BELOW 24" DEPTH; SFF COMPUTERS |
| **NETWORK INTERFACE** | 1, 10, 25, 100 GBE SFP+ PORTS WITH IPMI |
| **PCIE INTERCONNECT** | PCIE GEN 4/5 SLOTS (UP TO 11X SLOTS) |
| **POWER** | CERTIFIED TO MIL-STD-461, REDUNDANT, REMOVABLE |

The IES5G can be fully customised to your most complex technical, performance, and environmental specifications in consultation with our team. Ensure maximum reliability with a portable, scalable, easy-to-use and set up solution.

**Contact unitronix for pricing and availabilty +61 (0)2 4977 3511**