

Tyrone Ember, a compact desktop AI supercomputer powered by the GB10 Grace-Blackwell Superchip, delivering up to 1 PetaFLOP of AI performance with 128GB unified memory

### Key Feature

- NVIDIA Grace Blackwell Architecture with GB10 Grace-Blackwell Superchip
- Unified CPU+GPU memory simplifies AI workflows
- Up to 1 petaFLOP (1,000 TFLOPS) AI throughput
- Inbuilt NVIDIA DGX OS
- Datacenter-class AI performance on desktop
- Ideal for AI engineers, researchers, and developers

### Specifications



#### Connectivity

Achieves decisive lead in critical 6G bands.



#### Thermal Stability

Significantly lower core component temperatures in all stress tests



#### AI Performance

Better performance in NVIDIA's official benchmarks.



#### Design Philosophy

Achieves the best balance of performance, cost, and practicality.

### Processor

- Supports GB10 Grace Blackwell Superchip having 20-core Arm architecture
  - 10 x Cortex-X925 high-performance cores
  - 10 x Cortex-A725 efficiency cores

### System Memory:

- System Memory : 128GB LPDDR5x, Unified System Memory
- Memory Interface : 256 Bit

### Storage

- 1TB/4TB NVMe M.2 with Self Encryption

### Ports

- 2 x NVIDIA ConnectX-7 ports for high-speed networking(QSFP 200GbE)
- 1 X RJ45 10GbE port
- 1 x HDMI 2.1a display port (Multi Channel Audio Output)
- 3 X USB 3.2 Type C ports (Upto 20 Gb/s)
- 1 X USB Type C power port
- 1 X Power Button
- Inbuilt Wi-Fi 7
- Inbuilt Bluetooth 5.4

### Power Supply

- System Power 240W with C Type Power Port

### Form Factor

- System Weight : 1.2Kg
- Dimensions : 151mm(W) x 52mm(H) x 151mm(D)

### Driving Next-Generation AI Innovation at the Edge

#### Intelligent Transportation Systems



- Traffic flow optimization
- Smart intersections & signals
- Video analytics for road safety
- Urban mobility intelligence

#### FinTech & Financial Analytics



- Fraud detection & AI/ML
- Algorithmic trading
- Risk & portfolio analytics
- AI-driven forecasting

#### Healthcare & Life Sciences



- Genomics & sequence analysis
- Medical imaging AI
- Drug discovery & simulation
- Clinical AI research

#### Ports, Railways & Infrastructure Operations



- Predictive maintenance of assets
- Port & yard optimization
- Railway safety monitoring
- Airport operations analytics

### Ordering Information

▪ NGB10D1-1T	Tyrone Ember with 1TB Storage
▪ NGB10D1-4T	Tyrone Ember with 4TB Storage