

THE DIFFERENT

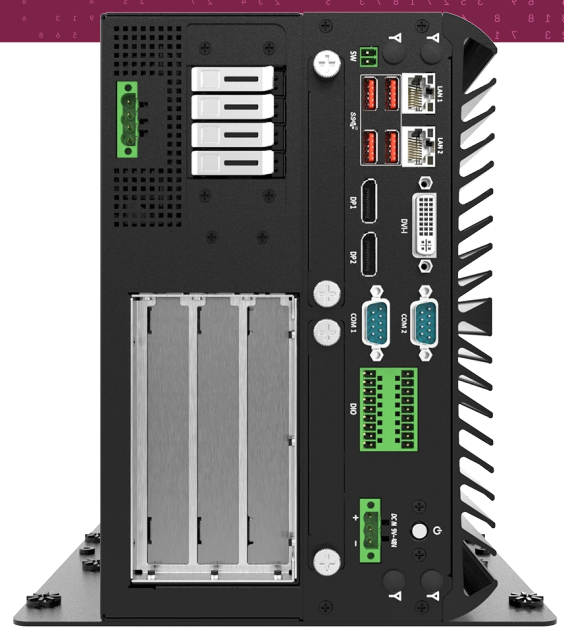
TYPES OF EDGE COMPUTERS

Edge computing has become a mainstay in achieving desired performance across a number of highly specialized applications.

But what kind of edge computer do you truly need? Let's explore the three major types and the applications they're best suited for.

AIR-COOLED EDGE COMPUTERS

- Use of fans to disseminate hot air from powerful GPUs
- Modular design permits air-cooling for heat-generating components such as GPU and NVMe SSD
- Semi-Industrial design for protection from dust and debris
- Enables machine and computer vision for inference analysis



APPLICATIONS:



Robotics



Automation and Inspection



Machine Learning and Inference Analysis



Intelligent Transportation



Security and Surveillance

FANLESS EDGE COMPUTERS



- Shock & Vibration resistance
- Survival in harsh volatile environments
- Passive cooling design for thermal management
- Heatsink chassis for cooling heat-generating components
- Wide Temperature Operation for Increased reliability & minimal downtime
- Small footprint options for space-constrained remote and mobile deployments

APPLICATIONS:



Industrial Automation and Motion Control



IoT Gateway for Data Telemetry



Telematics and Transportation



Digital Surveillance



RUGGED EDGE COMPUTERS

- Shock & Vibration Resistance
- Dust & Debris Resistance
- Cableless design
- Rugged design for operation in volatile environments
- Widest operating temperatures (-40°C to 85°C)
- Strong, aluminum Heatsink chassis for passive system cooling



APPLICATIONS:



Outdoor Kiosk and Digital Signage



Intelligent Transportation



Industrial Automation



Smart Agriculture

Premio is ready to help you select the ideal edge computing solution for your unique environment and deployment needs in IoT.

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