



The **XetaEDGE** is an extremely capable and flexible industrial Edge Computing application device. The **XetaEDGE**, Class 1 Div 2 pending, was developed using open source software and allows quick and simple hosting of many existing or new applications. **XetaEDGE** has 2x the RAM and 4x the Flash of comparable products.

XetaEDGE can be used with XetaWave products or any other serial or Ethernet wired or wireless products. Two Ethernet and two Serial ports allow simple inline connection or the ability to translate from Ethernet to Serial or Serial to Ethernet.

XetaEDGE offers optional analog and digital input and output signals for monitoring and/or controlling external sensors and devices.

Key Features

Industrial Safe C1D2 pending and operation from -40°C to $+85^{\circ}\text{C}$ for hazardous industrial operation.

Memory Capacity Host and run your applications with 1 GB ram and 4 GB Flash (up to 16 GB available as an option) plus a uSD slot for expanded storage.

Multiple Interfaces Supports 2 Ethernet ports, 2 Serial ports, 2 USB 2.0 ports, and 1 I2C port.

I/O Interface (Optional) 8 analog input, 4 analog outputs, 4 digital inputs, and 4 digital outputs.

Open Source Utilizes existing Linux applications or host new ones develop in Java, Python, Ruby, Perl, and more.

XetaEDGE Specifications

Processing

CPU	1 GHz ARM Cortex-A9
OS	Linux Debian 9.5, Ubuntu Server, Open Embedded
RAM	1 GB
Flash	4 GB (up to 16 GB optional)
Expansion Storage	1 uSD slot
Software	Java, Python, Ruby, Perl, and many more

Environmental / Physical

Op Temperature	-40°C to +85°C
Humidity	95% @ +40°C non-condensing
Safety	UL Class 1 Div 2 <i>pending</i>
Dimensions	6.62" x 3.45" x 1.83" (L x W x H)
Weight	700 grams

Power

Operating Voltage	+5 Vdc to +30 Vdc
Current	3 A @ +12 Vdc, Dependent on application and ports running

Interfaces

Data Connectors	2 Ethernet RJ45 2 Serial RJ45 2 Micro USB 2.0 On-the-Go
Data Interface Rates	10/100 Mbps Ethernet Up to 3 Mbps Serial
Serial Protocol	RS232/422/485
Power Connector	2-pin Phoenix
Optional I/O	8 Analog In & 4 Analog Out 4 Digital In & 4 Digital Out

Specifications subject to change without notice.

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