



dEdge 1.7 (Gen 4)

Data Acquisition Platform

Product Spec

CAPABILITIES

- ✓ No integration required
- ✓ Analog and digital interface connectors
- ✓ Ability to sample data from various sensors for full coverage of assets
- ✓ CPU optimized for running complex algorithmics, for saving cloud and network costs
- ✓ WiFi and USB connectivity
- ✓ Enhanced memory utilization for best performance
- ✓ Storage for data recovery
- ✓ Led indication for reducing installation complexity

SPECIFICATIONS

ANALOG INPUT

Channels	16-ch single ended, 8-ch differential
Resolution	16 bits
Sample Rate	Single channel: 5 MS/s max Multiple channels: 1 MS/s max
FIFO Size	4,096 samples
Overvoltage Protection	30 Vp-p
Input Impedance	1 GΩ
IEPE	support and band pass filters

ANALOG OUTPUT

Channels	2
Resolution	16 bits
Sample Rate	3 MS/s max

COMPATIBLE SENSORS

Current AC, Current DC, Pneumatic, Distance, Accelerometer, Magnetic Hall, Photo voltaic, Photo diode, Proximity, Weight, Acoustic emission, Surface, Pressure, Gauge

SYSTEM HARDWARE

CPU	Intel® Celeron® 3955U processor, 2.0 GHz
Memory	4G DDR3 (Max. 16GB expansion available)
Indicators	LEDs
IDE and LAN	(Active, Status)
USB	2.0 x2
Optocoupler	
DC-DC converter	
Storage	120GB SSD
WiFi module	6205AGN

ISOLATED DIGITAL INPUT

Channels	16
Input Voltage Logic	Logic 0: 3 V max. Logic 1: 10 V min. (30 V max.)
Interrupt Capable	Ch. 2 (IDI0 & IDI8)
Isolation Protection	2,500 V DC §
Opto-Isolator Response	100 μs
Input Resistance	3.2 kΩ @ 1 W