

# Dell Edge Gateway

# Dell Edge Gateway 5000 Series



**Dell Edge Gateway Model 5000**

Commercial Specs: 0°C to 50°C (with no air flow)



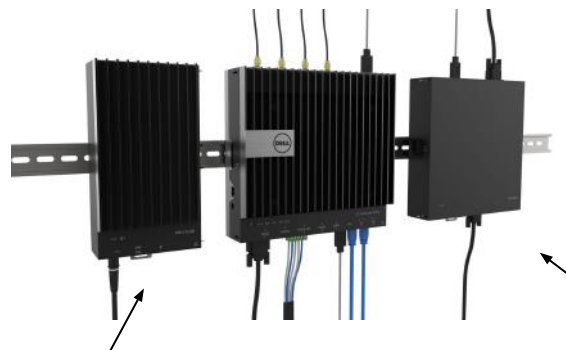
**Dell Edge Gateway Model 5100**

Industrial Specs: -30°C to 70°C (with no air flow)

## Edge Gateway 5000 Series

Purpose Built:	Industrial grade, ruggedized, fanless design for 24x7x365 usage and long life; deploy in the field with DIN-rail and wall-mount kits
Environmental (no air flow)	-30°C to 70°C Model 5100 / industrial; 0°C to 50°C Model 5000 / commercial
OS Choice	WindRiver Linux, Ubuntu Snappy, Windows 10 IoT
Platform	Intel® Atom™ Processors E3800 Series   2 cores
Memory	256Mx16 DDR3L: 2G, 4G or 8G options
Storage	Solid-state drive options (m.2 form factor): 32 GB or 64 GB options
Accessories	Can bus card. ZigBee card. I/O expansion module. Power module. IP65 rugged enclosure.
Native I/O	Dual Independent Gigabit Ethernet (RJ-45). USB: 2 x USB2, 1 x USB3 Serial Interfaces: 1xRS-232, 2xRS-485, 1xRS-422/485 combo. Wi-Fi 802.11n+Bluetooth (optional) Mobile Broadband 3G/LTE (optional)
Video	One HDMI port
Security	TPM 2.0. Chassis intrusion alert on rugged enclosure
Manageability	CCM, DCM for Ubuntu; future support for Windows 10 LTSC (Helix Device Cloud for Wind River)
Services	1-year HW Warranty; option to extend up to 5 years; optional ProSupport w/on-site after remote diagnosis for up to 5 years.
Software, etc.	Dell curated ISV, technology and services partners

# Edge Gateway 5000 Series Accessories



## Power Module

- Provides additional power for PCIe card in IO Expansion module
- Power conditioning for “dirty power”
- Additional ports for
  - battery backup (UPS)
  - 24V AC/DC for redundant power supplies
  - AC adapter
- Potential future modules

## I/O Expansion

- For customer-provided standard PCIe cards to expand I/O
- 2 additional USB ports
- GPIO (General Purpose I/O) port for additional expansion
- 1 serial port
- Cable management
- Potential future modules
- Requires the Power Module

## Mesh Networking

- ZigBee/Thread via USB dongle
- For low data rate applications that require long battery life and secure networking
- Meets IEEE 802.15.4 standard

## CAN Bus card

- CAN Bus via daughter card (on motherboard)
- Very common for transportation use cases, some manufacturing too
- Available point of sale and after; have to open chassis to install however

## Rugged Enclosure

- Lockable hardened enclosure
- IP65 rated for inside and outside applications (incl protection from dust, oil, water, rain, snow, sleet from any direction)
- Chassis intrusion switch which will send alert for unauthorized access
- Optimized for Industrial 5100 (heat dissipation), but tested and supports Commercial 5000

# Dell Gateway

## Edge Gateway 3000 Series – Tailored I/O



### Edge Gateway 3001 General Purpose Automation

- USB (2)
- Ethernet (1)
- Multi Function IO connection (8-bit interface, programmable DAC, ADC, GPIO)
- 2x Programmable Serial (RS232, 422, 485)

### Edge Gateway 3002 Transportation

- USB (2)
- Ethernet (2)
- CAN bus interface (supports CAN and J1939)
- Zigbee

### Edge Gateway 3003 Media & Retail Kiosks

- USB (2)
- Ethernet (2)
- DisplayPort 1.1
- Audio In/Out

#### I/O Options