



Access the full potential of your edge-generated data

9th Generation Intel® Core™ i7/i5/i3 Processor-Based Intelligent Edge Gateway

The new intelligent Dell EMC Edge Gateway helps companies connect OT and IT environments and extract value from their edge-generated data without interruption to their infrastructure. The EGW-5200 enables customers to collect, consolidate, and perform lightweight analytics on the vast data generated from multiple edge endpoints. With a rugged and fanless design, the edge gateway is compact and robust enough to endure 24/7/365 operations at extended temperatures and without compromising on reliability or endurance. The new edge gateway is engineered as a modular design with certified and qualified peripherals. This long-life platform provides OEM-ready and customizable options to best fit a range of industrial needs. It is purpose-built to power real-time insights that will lead to better efficiency, lower costs, and greater performance for your business.

Actionable insights where you need them

Dell EMC Edge Gateway bridges your legacy systems and modern sensors to the internet, enabling you to more easily collect and process data at the edge, reducing response time and saving bandwidth. The new 9th Gen Intel Core processor provides you with the speed and power to run intensive workloads, especially when combined with applications that enhance automated data curation and analytics capabilities, helping you to extract actionable insights that will be valuable to your business. The new edge gateway enables you to process data locally, which results in higher ROI and reduced TCO.

Uninterrupted performance anywhere, anytime

Ensure that your operations and productivity keep running to maintain operational performance. Purpose-built for the edge, the gateway can be used in a variety of environments without compromising on performance or reliability. It has several performance enhancement features and offers power reduction capabilities.

Features

- 9th Gen Intel® Core™ i7/i5/i3 FCLGA1151 processor
- Dual SO-DIMMs for up to 64 GB DDR4 memory
- Rich I/O: 2x DP++ / DVI / VGA / 3x GbE / 4x serial COM / 8-ch DI / 8-ch DO
- Security: TPM 2.0 and Intel AMT
- 2x USB 3.1 Gen2 / 1x USB 3.1 Gen1 / 3x USB 2.0
- Rich storage: 2x 2.5" SATA / M.2 3042
- Embedded expansion: Mini PCIe / M.2 3042 / 2x USIM
- Front accessible I/O and adaptive uFM module options
- WiFi 6E / Bluetooth 5.2

Software Support

- Win10 LTSC 2019
- Ubuntu 20.04 LTS

Optional Accessories – Qualified and Certified

- uFM modules for Isolated COM (RS-232 or RS-422/485 serial port), GbE with PoE, GbE LAN, CAN bus, 4G, 5G
- AC/DC adapters, 180 W / 220 W for system, 60 W for PoE

Features	EGW-5200		
Processor	Intel® Core™ i7-9700TE	Intel® Core™ i5-9500TE	Intel® Core™ i3-9100TE
TDP	35 W	35 W	35 W
# of Cores	8	6	4
Base Freq.	1.8 GHz	2.2 GHz	2.2 GHz
Max Turbo Freq.	3.8 GHz	3.6 GHz	3.2 GHz
Chipset	C246		
Memory	2x DDR4 SO-DIMMs, up to 64 GB		
I/O interfaces			
Display	2x DP++, DVI-D, VGA (three independent displays)		
Ethernet	3x Intel GbE: 2x i210 + i219LM PHY, Intel AMT supported on i5 and i7 CPUs		
Serial Ports	COM1/2: RS-232/422/485, COM3/4: RS-232		
DI/O	8-ch DI and 8-ch DO		
USB	6x external USB ports (2x USB 3.1 Gen2 + 1x USB 3.1 Gen1 + 3x USB 2.0), 1x internal USB 2.0 port		
Audio	Line-out, mic-in		
Mini PCIe	1x full size (USB 2.0 + PCIe), used for WiFi by default		
M.2	1x socket 2, key B+M or B, 1x 2280/3042 (USB 3.1 + SATA 6 Gb/s + 2x PCIe)		
USIM	2		
Security			
TPM	TPM 2.0		
Storage			
2.5" SATA	2x internal		
Physical			
Dimensions	211 mm (W) x 240 mm (D) x 86 mm (H)		
Weight	4.7 kg		
Mounting	Desktop, operational: wall mount		
Power supply			
DC Input	12–24 V (±10% tolerance)		
AC Input	Optional: 180 W / 220 W, 60 W (for PoE) external AC/DC adapter		
Environmental			
Operating temperature	0°C to 60°C (with airflow 0.6 m/s) 0°C to 50°C (with limited CPU power at 30 W without airflow)		
Storage temperature	–40°C to 85°C (excluding storage devices)		
Altitude	Operational (maximum, unpressurized): –15.20 m to 5,000 m without AC adapters Note: The maximum temperature is derated 1°C/305 m above sea level altitude. Non-operational (maximum, unpressurized): –15.20 m to 10,668 m without AC adapters		
Humidity	~95% at 40°C (non-condensing)		
Vibration	3 Grms, MIL-STD-810G METHOD 514.6 category 4 - common carrier (US highway truck vibration exposure)		
Shock	50 G, MIL-STD-810G METHOD 516.6 table 516.6-II. terminal peak sawtooth pulse test parameters		
IP rating	20 by default, 30 with all screws covered		
EMC	CE, FCC, and ICES		
Safety	IEC/EN/UL/CSA 63268-1		