Edge Portfolio
# Dell Technologies Specialized Edge Portfolio

<table>
<thead>
<tr>
<th>Embedded PC &amp; Edge Gateways</th>
<th>Laptop/Tables</th>
<th>Desktops</th>
<th>uCPE</th>
<th>Workstation</th>
<th>Servers</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 &amp; 5000 product family</td>
<td>Latitude rugged family</td>
<td>OptiPlex XE3</td>
<td>VEP 1400/4600</td>
<td>Precision 3930</td>
<td>PowerEdge Carrier Grade</td>
</tr>
<tr>
<td>Edge compute for industrial application</td>
<td>Laptop/tablet for harsh environment</td>
<td>Mini-Tower &amp; SFF Industrial PC</td>
<td>Ideal for SD-WAN applications</td>
<td>Performance and space optimized</td>
<td>Semi-rugged server</td>
</tr>
<tr>
<td>Intel Atom/Intel Core Processors</td>
<td>Intel Core vPro processors</td>
<td>Intel Core vPro processors</td>
<td>Intel Xeon Scalable Processors</td>
<td>Intel Xeon Processors and Intel Core Processors</td>
<td>Intel Xeon Scalable Processors</td>
</tr>
<tr>
<td>Programmable Logic Controller (PLC), Supervisory Control &amp; Data Acquisition (SCADA), Industrial Robot, Drones, Machine Visions Systems (MVS)</td>
<td>Drones, Human Machine Interface (HMI), Field Control, Plant Asset Management (PAM), Machine Condition Monitoring (MCM)</td>
<td>Manufacturing Execution Systems (MES), Industrial Metrology (IM), Machine Visions Systems (MVS), Human Machine Interface (HMI), Industrial Robot, Control system</td>
<td>Purpose-built open uCPE platform to host VNPs (virtual networking functions). Multi-plant industry 4.0 applications</td>
<td>3D Printing, Computer Numerical Control (CNC), Machine Visions System (MVS), Industrial Metrology (IM), AR VR, Industrial Robot, Visual Inspection, Process Control</td>
<td>AI, Industrial Robots, AR / VR, MES, Supervisory Control &amp; Data Acquisition (SCADA), Product Lifecycle Management (PLM), Plant Asset Management (PAM), IM, Distributed Control System (DCS)</td>
</tr>
<tr>
<td><strong>Client Grade</strong></td>
<td><strong>Server Grade</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Fanless design</td>
<td>- Fanless design</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Up to -20°C to 65°C</td>
<td>- Up to 20°C to 45°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 5 years lifecycle</td>
<td>- 3.5 years lifecycle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- IP 50 - DNV-GL</td>
<td>- DNV-GL certified</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Dust Filter</td>
<td>- Dust Filter</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 5 to 45°C</td>
<td>+10 to 45°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 3.5 years lifecycle</td>
<td>- 3-5 years lifecycle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- OS agnostic</td>
<td>- 1U or 2U rackable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 1U or Desktop</td>
<td>- 1U or 2U rack</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Filter bezel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- +5 to 40°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- NEMA-3, ETSI</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- 3-5 years lifecycle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- 1U Short-depth (28&quot;) rackable server</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- 15 to 45°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Mid-Spec. 810G+ &amp; Marine DNV-GL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- 3-5 years lifecycle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Integrate Edge Data with Business Operations

User Defined Rules

Dell Boomi

Connectivity
- HTTP
- MQTT
- Web Services
- JDBC
- Twilio
- Salesforce

Temperature Alert (HTTP/MQTT)

Listen for event from an IoT solution

Employee Directory (APIs)

Look up who should receive a text message

Send text message to supervisor

Refrigeration Unit
Get maintenance contacts

Warehouse Maintenance Software (APIs)

Warehouse Equipment Database (JDBC)

Device Data
- Get location, make, model, maintenance, history, warranty
- Get sample timeline temp readings

Enriched Service Ticket Information

Open service ticket and assign to right person

Device
- Gateway
- Database
- Cloud
(MQTT/HTTP/JDBC)
Pivotal

Expanding Data Capabilities to the Edge

Data Sources

Scale-out Open Source Data Management

Machine Learning/AI

In-Memory Data Microservices

Cloud-Native Apps

Spring Cloud Data Flow

Pivotal Greenplum

Pivotal GemFire

Pivotal Cloud Foundry

kafka

PostgreSQL

MySQL

Python

R
RSA Labs Project Iris

Security Monitoring and Behavioral Analytics for IoT

Dell Edge Gateway

Project IRIS Gateway container

Device Meta Netflows Processes

Project Iris Cloud

Data Ingest

Analytics

Iris UI

Integration with external SIEM

Project IRIS Logstash container

Alerts