Deploy AI at the edge
Built-in acceleration brings deep learning performance AI to soldered-down applications and harsh environments.

Breakthrough performance for rugged applications

Intel® Xeon® D-1700 and D-2700 processors pack server-class performance in high-density BGA packages.

<table>
<thead>
<tr>
<th>Processor Model</th>
<th>Previous-Generation Processor</th>
<th>CPU Performance Improvement</th>
<th>AI Inferencing Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-1746TER</td>
<td>D-1539</td>
<td>2.32x faster</td>
<td>5.73x faster</td>
</tr>
<tr>
<td>D-2796TE</td>
<td>D-1577</td>
<td>2.97x faster</td>
<td>7.40x faster</td>
</tr>
</tbody>
</table>

For workloads at configurations, visit intel.com/benchmarks. Results may vary.

Deploy AI at the edge

Harden your attack surface with integrated security

- Run sensitive data in trusted enclaves with Intel® Software Guard Extensions
- Guard against physical attacks on memory with Intel® Total Memory Encryption

Support real-time hypervisors alongside mixed workloads

- Provide precise time and task management with Intel® Time Coordinated Computing
- Define per-core throughput and performance with Intel® Speed Select Technology

Put Intel® Xeon® processor-class reliability, availability, and serviceability in the toughest environments

Industrial automation
Autonomous control systems that deliver real-time computing, high-throughput I/Os, and integrated AI inference acceleration with a single processor.

Safety and security
AI-powered, smart video systems that can handle simultaneous video streams, high-speed storage, and rapid analysis of each frame.

Public sector
Large core counts that can support multiple identical systems for error control, redundancy, and failover support in critical applications like aviation, flight controls, and guidance systems.

Find out more about Intel® Xeon D-1700 and D-2700 processors for IoT applications at intel.com/iceLake-d.