Mobility Client Platforms

Advancing PC Mobility
What’s New at Computex

- Addition of two new 11th Gen Intel® Core™ U-series processors with Intel® Iris® Xe graphics for thin-and-light laptops: i7-1195G7 and i5-1155G7
  - First 5.0 GHz in U-series
  - Accelerate the number of designs with Intel Wi-Fi 6/6E (Gig+)
  - Expecting 60+ consumer designs with the new processors; nearly 250 OEM designs based on 11th Gen Intel® Core™ (U-series) expected by holiday

- Introduction of Intel® 5G Solution 5000
  - Intel’s first 5G M.2 solution with worldwide carrier certification; follow-up to previously announced partnership with MediaTek and Fibocom
  - Acer, ASUS and HP among the first OEMs expected this year on 11th Gen Intel® Core™ U- and H-series.
  - Momentum continues in 2022 with over 30 designs expected
  - Builds on two recently announced ecosystem collaborations with China Mobile, HP and MediaTek and DoCoMo and HP
<table>
<thead>
<tr>
<th>UP3</th>
<th>Processor Number</th>
<th>Graphics</th>
<th>Cores / Threads</th>
<th>Graphics (EUs)</th>
<th>Cache</th>
<th>Memory</th>
<th>Operating Range</th>
<th>Base Freq (GHz)</th>
<th>Max Single Core Turbo (GHz)</th>
<th>Max All Core Turbo (GHz)</th>
<th>Graphics Max Freq (GHz)</th>
<th>Intel Gaussian and Neural Accelerator 2.0***</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel® Core™ i7-1195G7</td>
<td>Intel® Iris® Xe Graphics**</td>
<td>4/8</td>
<td>96</td>
<td>12MB</td>
<td>DDR4-3200 LPDDR4x-4266</td>
<td>12-28W</td>
<td>2.9</td>
<td>5.0*</td>
<td>4.6</td>
<td>1.40</td>
<td>√</td>
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<td>12MB</td>
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<td>12-28W</td>
<td>3.0</td>
<td>4.8</td>
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<td>Intel® Core™ i5-1155G7</td>
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<td>4.4</td>
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<td>8MB</td>
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<tr>
<td>Intel® Core™ i3-1125G4</td>
<td>Intel® UHD Graphics</td>
<td>4/8</td>
<td>48</td>
<td>8MB</td>
<td>DDR4-3200 LPDDR4x-3733</td>
<td>12-28W</td>
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<tr>
<td>Intel® Core™ i3-1115G4</td>
<td>Intel® UHD Graphics</td>
<td>2/4</td>
<td>48</td>
<td>6MB</td>
<td>DDR4-3200 LPDDR4x-3733</td>
<td>12-28W</td>
<td>3.0</td>
<td>4.1</td>
<td>4.1</td>
<td>1.25</td>
<td>√</td>
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</tbody>
</table>

*Intel® Core™ i7-1195G7 SCT=5.0GHz accomplished via Intel Turbo Boost Max Technology 3.0.
**To use the Intel® Iris® Xe graphics brand, the platform must be populated with 128-bit (dual channel) memory.
***Platform dynamic noise suppression algorithms must be enabled for GNA to realize power benefits of offloading dynamic noise suppression from CPU to GNA.
Thin and light gaming leadership

11th Gen U-series offers casual gaming experiences that eclipse the competition.

For workloads and configurations visit www.intel.com/computex21. Results may vary.
The future of light content creation

11th Gen U-series provides the right compute for the right workload for modern content creation.

For workloads and configurations visit www.intel.com/computex21. Results may vary.
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PC Performance Leadership

Battery Life

Connectivity: LTE, Wi-Fi, 5G

Form Factor Options with More Designs Coming
Intel® Wi-Fi 6/6E (Gig+)
Best of both worlds (Legacy + New)

Many large high-speed channels

6 GHz Wi-Fi 6E
Consumer Wi-Fi’s biggest advancement in 20 years

Nearly 3x faster (Gig+) Wi-Fi speeds¹
- High-speed file sharing
- Smooth 4K streaming
- Ultra-responsive surfing and gaming
- Great work-from-home & remote learning experiences

Improved performance & reliability
- No neighbor legacy Wi-Fi interference

Legacy 5 GHz
- Many large high-speed channels

New 6 GHz
- Wi-Fi 6E only

Protect your PC investment Intel® Wi-Fi 6/6E (Gig+)
- Amazing 6 GHz capabilities² (when available)
- Legacy Intel® Wi-Fi 6 (Gig+) (when needed)

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¹ Performance varies by use, configuration and other factors. For details on performance claims, learn more at www.Intel.com/PerformanceIndex (connectivity).
² Subject to regional spectrum allocation; not available in all markets.
# Intel® 5G Solution 5000

## Key Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modem Technologies</td>
<td>5G NR/4G LTE/3G WCDMA</td>
</tr>
<tr>
<td>Form Factor, Size</td>
<td>M.2, 30x52x2.3mm (Single Sided)</td>
</tr>
<tr>
<td>Frequency Bands</td>
<td>Sub 6GHz Range (Global Coverage)</td>
</tr>
<tr>
<td>Data Throughput</td>
<td></td>
</tr>
<tr>
<td>NR: 4.7Gbps DL, 1.25Gbps UL</td>
<td></td>
</tr>
<tr>
<td>LTE: 1.6Gbps Cat 19 DL, 0.150Gbps UL</td>
<td></td>
</tr>
<tr>
<td>eSIM</td>
<td>Build-in eSIM</td>
</tr>
<tr>
<td>Thermal Management</td>
<td>DTT</td>
</tr>
<tr>
<td>Geographical Coverage</td>
<td>North America, EMEA, APAC, JPN, AUS (ATT, VZW, VDF, Telefonica, CMCC, Swisscom, DT, SFB, Docomo, Orange, Sprint, CUC, CTC, Telstra, Optus, TMO, KDDI)</td>
</tr>
<tr>
<td>Operating Systems</td>
<td>Windows, Chrome, Linux</td>
</tr>
<tr>
<td>Host Interface</td>
<td>PCIe (Gen 3)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10°C to +55°C</td>
</tr>
<tr>
<td>Target Platforms</td>
<td>TGL, ADL</td>
</tr>
</tbody>
</table>

Host SW by **Intel**
Modem FW by **Mediatek**
Module by **Fibocom**
Notices and Disclaimers

Contact your Intel representative to view Appendix. [www.intel.com/computex21](http://www.intel.com/computex21) will be live at 7:30 pm PT on May 30, 2021.

Performance varies by use, configuration and other factors. Learn more at [www.Intel.com/PerformanceIndex](http://www.Intel.com/PerformanceIndex).

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See Appendix for configuration details. No product or component can be absolutely secure.

Your costs and results may vary.

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