



Intel® Core™ i7-7700T Processor

8M Cache, up to 3.80 GHz

| | | | |
|--------------------------|---|---------------------|-----------------|
| Product Collection | 7th Generation Intel® Core™ i7 Processors | Status | Launched |
| Launch Date | Q1'17 | Max Turbo Frequency | 3.80 GHz |
| Processor Base Frequency | 2.90 GHz | Cache | 8 MB SmartCache |
| Processor Graphics † | Intel® HD Graphics 630 | # of Cores | 4 |

Ordering and spec information

| | |
|--|-----------------|
| Boxed Intel® Core™ i7-7700T Processor (8M Cache, up to 3.80 GHz) FC-LGA14C, Box | |
| Spec Code | SR339 |
| Ordering Code | BX80677I77700T |
| Step | Bo |
| RCP | \$312.00 |
| Boxed Intel® Core™ i7-7700T Processor (8M Cache, up to 3.80 GHz) FC-LGA14C, Box China | |
| Spec Code | SR339 |
| Ordering Code | BXC80677I77700T |
| Step | Bo |
| Intel® Core™ i7-7700T Processor (8M Cache, up to 3.80 GHz) FC-LGA14C, Tray | |
| Spec Code | SR339 |
| Ordering Code | CM8067702868416 |
| Step | Bo |
| RCP | \$303.00 |

Trade compliance information

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|--------|------------|
| ECCN | 5A992C |
| CCATS | G077159 |
| US HTS | 8542310001 |

PCN/MDDS Information

| | |
|--------|----------------------------|
| SR339 | |
| 953005 | PCN MDDS |
| 954222 | MDDS |
| 954229 | MDDS |

Essentials


[Export specifications](#)

| | | | |
|--------------------|---|------------------------------|-----------------------------|
| Product Collection | 7th Generation Intel® Core™ i7 Processors | Code Name | Products formerly Kaby Lake |
| Vertical Segment | Desktop | Processor Number | i7-7700T |
| Status | Launched | Launch Date ? | Q1'17 |
| Lithography ? | 14 nm | Recommended Customer Price ? | \$303.00 - \$312.00 |

Performance

| | | | |
|-----------------------------------|-----------------|-------------------------|-------------|
| # of Cores ? | 4 | # of Threads ? | 8 |
| Processor Base Frequency ? | 2.90 GHz | Max Turbo Frequency ? | 3.80 GHz |
| Cache ? | 8 MB SmartCache | Bus Speed ? | 8 GT/s DMI3 |
| # of QPI Links ? | 0 | TDP ? | 35 W |
| Configurable TDP-down Frequency ? | 1.90 GHz | Configurable TDP-down ? | 25 W |


Supplemental Information

| | | | |
|--|--------------------------|-----------------|-----|
| Embedded Options Available ?  | Yes | Conflict Free ? | Yes |
| Datasheet | View now | | |

Learn how Intel is pursuing conflict-free technology.




Memory Specifications

| | | | |
|--|-------|--|---|
| Max Memory Size (dependent on memory type) ? | 64 GB | Memory Types ? | DDR4-2133/2400, DDR3L-1333/1600 @ 1.35V |
| Max # of Memory Channels ? | 2 | ECC Memory Supported † ?  | No |

Intel® Platform Protection Technology

| | | | |
|-------------------------|-----|--|-----|
| OS Guard | Yes | Trusted Execution Technology † ?  | Yes |
| Execute Disable Bit † ? | Yes | Intel® Device Protection Technology with Boot Guard ? | Yes |

Graphics Specifications

| | | | |
|---|------------------------|---|----------------|
| Processor Graphics † ? | Intel® HD Graphics 630 | Graphics Base Frequency ? | 350.00 MHz |
| Graphics Max Dynamic Frequency ? | 1.15 GHz | Graphics Video Max Memory ? | 64 GB |
| 4K Support ? | Yes, at 60Hz | Max Resolution (HDMI 1.4)‡ ? | 4096x2304@24Hz |
| Max Resolution (DP)‡ ? | 4096x2304@60Hz | Max Resolution (eDP - Integrated Flat Panel)‡ ? | 4096x2304@60Hz |
| DirectX* Support ? | 12 | OpenGL* Support ? | 4.4 |
| Intel® Quick Sync Video ?  | Yes | Intel® InTru™ 3D Technology ? | Yes |
| Intel® Clear Video HD Technology ? | Yes | Intel® Clear Video Technology ? | Yes |
| # of Displays Supported † | 3 | Device ID | 0x5912 |



Optimize popular games to play on Intel Graphics


Expansion Options

| | | | |
|--------------------------------|--------------------------|------------------------------|-----|
| Scalability | 1S Only | PCI Express Revision ? | 3.0 |
| PCI Express Configurations † ? | Up to 1x16, 2x8, 1x8+2x4 | Max # of PCI Express Lanes ? | 16 |

Package Specifications

| | | | |
|----------------------------------|-----------------|-------------------------------|----------|
| Sockets Supported ? | FCLGA1151 | Max CPU Configuration | 1 |
| Thermal Solution Specification ? | PCG 2015A (35W) | T _{JUNCTION} ? | 80°C |
| Package Size | 37.5mm x 37.5mm | Low Halogen Options Available | See MDDS |

Intel® Data Protection Technology

| | | | |
|---|-----|--|-----|
| Intel® AES New Instructions ?  | Yes | Secure Key ? | Yes |
| Intel® Software Guard Extensions (Intel® SGX) ? | Yes | Intel® Memory Protection Extensions (Intel® MPX) ? | Yes |