Nama : Yoga Adi Widagdo

NIM : L200150085

1. Spesifikasi Mikroprosesor 3 tahun terakhir (Intel)

Intel® Core™ i7 Processors

# Intel® Core™ i7-4790K Processor

|  |  |
| --- | --- |
| Launch | 2014 |

Performance

|  |  |
| --- | --- |
| Processor Base Frequency | 4.00 GHz up to 4.40 GHz |
| Cache | 8 MB SmartCache |

Spesifikasi Memori

|  |  |
| --- | --- |
| Max Memory Size (dependent on memory type) | 32 GB |
| Memory Types | DDR3-1333/1600, DDR3L-1333/1600 @ 1.5V |
| Max # of Memory Channels | 2 |
| Max Memory Bandwidth | 25.6 GB/s |

Spesifikasi Grafik

|  |  |
| --- | --- |
| Processor Graphics ‡ | Intel® HD Graphics 4600 |
| Graphics Base Frequency | 350.00 MHz |
| Graphics Max Dynamic Frequency | 1.25 GHz |
| Graphics Video Max Memory | 2 GB |
| Graphics Output | eDP/DP/HDMI/DVI/VGA |
| Execution Units | 20 |
| Max Resolution (HDMI 1.4)‡ | 3840x2160@24Hz |
| Max Resolution (DP)‡ | 3840x2160@60Hz |
| Max Resolution (eDP - Integrated Flat Panel)‡ | 3840x2160@60Hz |
| Max Resolution (VGA)‡ | 1920x1200@60Hz |
| DirectX\* Support | 11.2/12 |
| OpenGL\* Support | 4.3 |
| Intel® Quick Sync Video  [http://ark.intel.com/inc/images/fusionmobile/search-glass.png](http://ark.intel.com/search/advanced?QuickSyncVideo=true&MarketSegment=DT) | Yes |
| Intel® InTru™ 3D Technology | Yes |
| Intel® Wireless Display  [http://ark.intel.com/inc/images/fusionmobile/search-glass.png](http://ark.intel.com/search/advanced?WiDi=true&MarketSegment=DT) | Yes |
| Intel® Flexible Display Interface (Intel® FDI) | Yes |
| Intel® Clear Video HD Technology | Yes |
| # of Displays Supported ‡ | 3 |
| Device ID | 0x412 |

# Intel® Core™ i7-5775C Processor

|  |  |
| --- | --- |
| Launch | 15 |

Performance

|  |  |
| --- | --- |
| Processor Base Frequency | 3.30 GHz up to 3.70Gz |
| Cache | 6 MB |

Spesifikasi Memori

|  |  |
| --- | --- |
| Max Memory Size (dependent on memory type) | 32 GB |
| Memory Types | DDR3L-1333/1600 @ 1.5V |
| Max # of Memory Channels | 2 |
| Max Memory Bandwidth | 25.6 GB/s |

Spesifikasi Grafik

|  |  |
| --- | --- |
| Processor Graphics ‡ | Intel® Iris™ Pro Graphics 6200 |
| Graphics Base Frequency | 300.00 MHz |
| Graphics Max Dynamic Frequency | 1.15 GHz |
| Graphics Video Max Memory | 32 GB |
| eDRAM | 128 MB |
| Graphics Output | eDP/DP/HDMI/DVI/VGA |
| Max Resolution (HDMI 1.4)‡ | 4096x2304@24Hz |
| Max Resolution (DP)‡ | 3840x2160@60Hz |
| Max Resolution (eDP - Integrated Flat Panel)‡ | 3840x2160@60Hz |
| Max Resolution (VGA)‡ | 1920x1200@60Hz |
| DirectX\* Support | 11.2 |
| OpenGL\* Support | 4.3 |
| Intel® Quick Sync Video  [http://ark.intel.com/inc/images/fusionmobile/search-glass.png](http://ark.intel.com/search/advanced?QuickSyncVideo=true&MarketSegment=DT) | Yes |
| Intel® InTru™ 3D Technology | Yes |
| Intel® Wireless Display  [http://ark.intel.com/inc/images/fusionmobile/search-glass.png](http://ark.intel.com/search/advanced?WiDi=true&MarketSegment=DT) | Yes |
| Intel® Flexible Display Interface (Intel® FDI) | Yes |
| Intel® Clear Video HD Technology | Yes |
| Intel® Clear Video Technology | Yes |
| # of Displays Supported ‡ | 3 |
| Device ID | 0x1622 |

# Intel® Core™ i7-6785R Processor

|  |  |
| --- | --- |
| Launch | 16 |

Performance

|  |  |
| --- | --- |
| Processor Base Frequency | 3.30 GHz up o 3.90 GHz |
| Cache | 8 MB |

Spesifikasi Memori

|  |  |
| --- | --- |
| Max Memory Size (dependent on memory type) | 64 GB |
| Memory Types | DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V |
| Max # of Memory Channels | 2 |
| Max Memory Bandwidth | 34.1 GB/s |

Spesifikasi Grafik

|  |  |
| --- | --- |
| Processor Graphics ‡ | Intel® Iris™ Pro Graphics 580 |
| Graphics Base Frequency | 350.00 MHz |
| Graphics Max Dynamic Frequency | 1.15 GHz |
| Graphics Video Max Memory | 64 GB |
| eDRAM | 128 MB |
| Graphics Output | eDP/DP/HDMI/DVI |
| 4K Support | Yes, at 60Hz |
| Max Resolution (Intel® WiDi)‡ | 1080p |
| Max Resolution (HDMI 1.4)‡ | 4096x2304@24Hz |
| Max Resolution (DP)‡ | 4096x2304@60Hz |
| Max Resolution (eDP - Integrated Flat Panel)‡ | 4096x2304@60Hz |
| Max Resolution (VGA)‡ | N/A |
| DirectX\* Support | 12 |
| OpenGL\* Support | 4.4 |
| Intel® Quick Sync Video  [http://ark.intel.com/inc/images/fusionmobile/search-glass.png](http://ark.intel.com/search/advanced?QuickSyncVideo=true&MarketSegment=DT) | Yes |
| Intel® InTru™ 3D Technology | Yes |
| Intel® Wireless Display  [http://ark.intel.com/inc/images/fusionmobile/search-glass.png](http://ark.intel.com/search/advanced?WiDi=true&MarketSegment=DT) | Yes |
| Intel® Clear Video HD Technology | Yes |
| Intel® Clear Video Technology | Yes |
| # of Displays Supported ‡ | 3 |
| Device ID | 0x193B |

1. Memory (RAM)

## Kingston HyperX Fury DDR3-1866 8GB Kit (2x4GB)

memori ini memiliki satu fitur unik yakni **kecepatan DDR3-1866 tanpa setting apapun**(di chipset/platform yang mendukung). Mengingat banyaknya pengguna PC di Indonesia yang masih sangat awam terhadap setting memori(dan bahkan kadang banyak yang tidak paham bagaimana menyalakan profil XMP pada memori mereka), fitur ini luar biasa menarik, karena memori anda akan langsung otomatis dikonfigurasi pada kecepatan optimal.

## Patriot Viper 3 DDR3-2400C11 8GB Kit (2x4GB)

Patriot Viper 3 DDR3-2400 merupakan salah satu RAM dengan rating DDR3-2400 termurah yang beredar di pasaran Indonesia saat ini. Timing-nya memang agak longgar pada 11-13-13-31, namun kecepatannya yang ada pada DDR3-2400 tentunya dapat mengkompensasi timing longgar tersebut, dan memberikan performa baik.

Kecepatan DDR3-2400 menurut kami adalah kecepatan yang cukup ‘ideal’ dari segi performa maupun kompatibilitas. Kebanyakan platform modern, baik Intel maupun AMD, sekarang umumnya bisa menjalankan kecepatan DDR3-2400 tanpa beban yang berarti pada memory controller, yang membuat pengoperasian kecepatan DDR3-2400 dapat dilakukan dengan stabil.