**THE DIFFERENCE**

**Core I5**

* Hyper-Treading Support
* Consists of 2 Dual Core processors. There are also series I5 which contains 2 Quad Core processors, but no Hyper-Treading support
* Turbo Boost Maximum automatic overclocking ranges from 2.4 GHZ 3.33 GHZL3 Cache � 4-8 MB
* LGA Socket 1156
* Intel HD Graphics
* Maximal RAM � 16 GB

**Core I7**

* Consists of 4 processors with Quad Core specifications inside
* Hyper-Treading Support Can split 4 processors into 8 processors to run heavy processes simultaneously such as 3D Rendering, Video Editing process. Animation etc.
* Turbo Boost Maximum automatic overclocking ranges 1.73 GHZ 3.33 GHZ
* L3 Cache 8-12 MB
* Intel QuickPath Interconnect Technology To speed up the process of reading data up to 25.6 GB / secLGA Socket 1156
* Intel HD Graphics
* Maximal RAM � 24 GB

|  |
| --- |
| **INTEL H81 EXPRESS MOTHERBOARD (MSI)** |
| Supoorts 4th Gen Intel® Core™/Pentium®/Celeron® processors for LGA 1150 socket |
| Supports DDR3-1600/ 1333/ 1066 MHz |
| USB 3.0 + SATA 6Gb/s |
| Military Class 4: Top Quality & Stability |
| Military Class Essentials: Total Protection for Military Class Motherboards |
| OC Genie 4: Overclock in 1 Second |
| Click BIOS 4: Easily Fine-tune Your System |
| 4K UHD Support: Ultra-high Definition Visual Experience |
| 3 Digital Display Outputs: VGA D-sub/HDMI/DVI Support |
| Command Center: Control & Customize Your PC Settings |
| Fast Boot: Quickly Boot Up & Enter OS in A Few Seconds |

|  |
| --- |
| **INTEL H81 EXPRESS MOTHERBOARD (ASUS)** |
| ASUS 5X Protection - All-round protection provides the best quality, reliability, and durability |
| USB 3.0 Boost (UASP Support) - 170% faster transfer speeds than traditional USB 3.0 |
| HDMI & DVI Outputs - High-definition Visual Enjoyment |
| New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added |
| Network iControl - Real-time network bandwidth management |

|  |
| --- |
| **H81M-HDS (AsRock)** |
| Supports New 4th and 4th Generation Intel® Core™ i7/i5/i3/Xeon®/Pentium®/Celeron® Processors (Socket 1150) |
| 100% All Solid Capacitor design |
| Supports Dual Channel DDR3/DD3L 1600 |
| 1 x PCIe 2.0 x16, 1 x PCIe 2.0 x1 |
| Graphics Output Options : D-Sub, DVI-D, HDMI |
| Realtek Gigabit LAN |
| 5.1 CH HD Audio (Realtek ALC662 Audio Codec) |
| 2 x SATA3, 2 x SATA2, 4 x USB 3.1 Gen1 (2 Front, 2 Rear). 8 x USB 2.0 |
| Supports A-Tuning, XFast 555, Easy Driver Installer, FAN-Tastic Tuning, USB Key |