Comparison:

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|  | ***Raspberry pi 3 B+*** | ***Intel Edison*** | ***Nvidia Jetson TX1*** | ***Nvidia Jetson TK1*** | ***Banana Pi*** | ***Orange Pi 2*** |
| ***Price*** | $35.95 | $74.95 | $495 | Not available | $100 | $36 |
| ***Video*** | Full-size HDMI | None | Full-size HDMI | Full-size HDMI | Full-size HDMI | Full-size HDMI |
| ***Audio*** | 3.5 mm input, Stereo Output | 12Sout | External board needed | ALC5639 Realtek HD Audio codec with Mic in and Line out jacks | 1 x Analog audio (via 3.5 mm TRRS jack)  I2S audio (also potentially for audio input)  1 x On board microphone for audio input | 3.5 mm Jack and HDMI |
| ***Storage*** | Micro-SD | SDIO interface, 4GB onboard flash memory | 16 GB eMMC, SDIO, SATA | 16GB fast eMMC 4.51 | SD card slot  SATA 2.0(suggest 2.5 inch SSD or HDD) | TF card (Max. 64GB) / MMC card slot , up to 2T on 2.5 SATA disk 8GB EMMC Flash |
| ***RAM*** | 1GB LPDDR2 SDRAM | (LPDDR3 1 GB) | 4 GB 64 bit LPDDR4 | 2GB DDR3L | 1GB DDR3 SDRAM | 2GB DDR3 |
| ***Processor*** | 1.4GHz 64-bit quad-core processor | Atom 2-Core (Silvermont) @ 500 MHz | 64-bit quad-core ARM Cortex-A57 | 2.32GHz ARM quad-core [Cortex-A15](http://infocenter.arm.com/help/topic/com.arm.doc.ddi0438h/index.html) | ARM® Cortex™-A7 Dual-Core | H3 Quad-core Cortex-A7 H.265/HEVC 4K |
| ***GPIO*** | 40 pins | Additional 12 (with 4 capable of PWM) | Yes | 7 x GPIO pins (1.8V) | 26 pins | 40 pins |
| ***Ethernet*** | Gigabit Ethernet over USB 2.0 (maximum throughput 300 Mbps) | None | 1 Gigabit Ethernet | Gigabit LAN port using PEX | 10/100/1000Mbps ethernet (Realtek RTL8211E/D) | 10/100/1000M Ethernet RJ45 |
| ***WiFi*** | 2.4GHz and 5GHz 802.11b/g/n/ac Wi-Fi | Dual band 802.11b/g/n/ac Wi-Fi, (2.4 and 5 GHz) Onboard antenna | 802.11ac WLAN | (Optional) External USB Wifi dongle can be added as a mini-PCIe Card | Optional USB WIFI Dongle | Realtek RTL8189ETV, IEEE 802.11 b/g/n |
| ***USB*** | 4 USB 2.0 ports | 1 USB-OTG | USB 3.0 + USB 2.0 | USB 3.0 + USB 2.0 | 2 x USB2.0 Host  1 x USB 2.0 OTG (all direct from A20 chip) | Four USB 2.0 HOST, one USB 2.0 OTG |
| ***Bluetooth*** | 4.2, BLE | Bluetooth 4.0 | Yes | Optional | Optional | Yes |
| ***Power Consumption*** | 5V/2.5A DC power input | 3.3V-4.5 @ <1W | External 19V AC adapter | 12V DC | 5V @ 2A via MicroUSB | 5V/2.5A DC power input |
| ***Dimensions*** | 82mm x 56mm x 19.5mm, 50g | 35.5 × 25.0 × 3.9 mm | 50 mm x 87 mm | 5" x 5" (127mm x 127mm) | 92mm × 60mm, 48g | 108mm × 67mm, 83g |
| ***Camera Port*** | 1 | None | 5 | 2 | 1 | 1 |