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| Spec | Macintosh | OLPC 1.5 |
| Processor | Intel i5 2.5 GHz, 3MB Cache | AMD Geode 0.8, 64KB L1 Cache, 128 KB L2 Cache, 433 MHz (4.0’s are 1.2 GHz) |
| RAM | 8GB 1600 MHz DDR3 | 256 MB Dynamic, DDR3, 166 MHz |
| Disk Drive | 500 GB ATA 6400 RPM | 1GB NAND Flash (4.0 is 4-8) |
| Software | OSX 10.9.4 | Linux (modded) |
| Display Resolution | 1280 x 800, 13” | 1200 x 900, 7.5” |
| Graphics Card | Intel HD Integrated 4000 | Via VX855 |
| Camera | 720 FaceTime Integrated Camera | 640x480 resolution at 30fps |
| Case Design | Single Aluminium Unibody Design | Dual Molded Nylon Plastic |
| Connectivity | AirPort Extreme 802.11a/b/g/n,  Bluetooth 4.0, | Mesh |
| Peripherals | Firewire 800 port, 2x USB 3.0, Thunderbolt ports, Audio In/Out, SDXC Reader | 3x USB 2.0, Audio In/Out, SD 2.0 Reader |
| Battery | Non-swappable Apple NimH battery, 7 hours life | 2x LifePO4, 6.5 V, 2.5 hours |
| Dimensions | Height (2.4cm), width (3.25), depth (22.7 cm) | Height (3.2cm), width (24.2 cm), depth (22.8 cm) |
| Weight | 2.76kg | 1.58kg |
| Keyboards | 78 Keys, Width = 28.1cm, depth = 11.28cm | 80 keys, width (19.8cm), depth (8.5 cm) |