# Xbox One Family of Devices
## Spec Sheet

| | SPEC | XBOX ONE X | XBOX ONE S | XBOX ONE |
|---|---|---|---|---|
| | Dimensions | 30cm x 24cm x 6cm | 29.5cm x 23cm x 6.5cm | 34.3cm x 26.3cm 8cm |
| | Weight | 8.4lbs | 6.4lbs | 7.8lbs |
| | CPU | Custom CPU @ 2.3 GHz, 8 cores | Custom Jaguar CPU @ 1.75GHz, 8 cores | Custom Jaguar CPU @ 1.75GHz, 8 cores |
| | GPU | Custom GPU @ 1.172 GHz, 40 CUs, Polaris features, 6.0 TFLOPS | Custom GPU @ 914 MHz, 12 CUs, 1.4 TFLOPS | Custom GPU @ 853 MHz, 12 CUs, 1.3 TFLOPS |
| | Memory | 12 GB GDDR5 @ 326 GB/s | 8 GB DDR3 @ 68 GB/s, 32 MB ESRAM @ 218 GB/s | 8 GB DDR3 @ 68 GB/s, 32 MB ESRAM @ 204 GB/s |
| | Flash | 8GB | 8GB | 8GB |
| | Internal Storage | 1TB HDD | 500GB, 1TB, 2TB HDD | 500GB, 1TB HDD |
| | Optical Disc Drive | 4K UHD Blu-ray | 4K UHD Blu-ray | Blu-ray |
| | PSU | 245W, Internal | 120W, Internal | 220W, External |
| **VIDEO** | HDMI resolution and framerate | 2160p @ 60Hz AMD FreeSync HDMI Variable Refresh Rate (when ratified) | 2160p @ 60Hz | 1080p @ 60Hz |
| | HDR10 Support | Yes | Yes | No |
| | Content Protection | HDCP 2.2 | HDCP 2.2 | HDCP 1.4 |
| | Video CODECs | HEVC/H.265, VP9, AVC/H.264, MPEG-2, MPEG-4 Part 2, VC1/WMV9 | HEVC/H.265, AVC/H.264, MPEG-2, MPEG-4 Part 2, VC1/WMV9 | AVC/H.264, MPEG-2, MPEG-4 Part 2, VC1/WMV9 |
| **AUDIO** | HDMI audio, encoded | Dolby Digital 5.1, DTS 5.1, PCM 2.0, 5.1, & 7.1; Dolby TrueHD w/Atmos (from games) | Dolby Digital 5.1, DTS 5.1, PCM 2.0, 5.1, & 7.1; Dolby TrueHD w/Atmos (from games) | Dolby Digital 5.1, DTS 5.1, PCM 2.0, 5.1, & 7.1; Dolby TrueHD w/Atmos (from games) |
| | HDMI audio, passthru | Dolby TrueHD (opt. Atmos), DD+ (opt. Atmos), DTS-HR/MA (opt. DTS:X) | Dolby TrueHD (opt. Atmos), DD+ (opt. Atmos), DTS-HR/MA (opt. DTS:X) | Dolby TrueHD (opt. Atmos), DD+ (opt. Atmos), DTS-HR/MA (opt. DTS:X) |
| | S/PDIF audio, encoded | Dolby Digital 5.1, DTS 5.1, PCM 2.0 | Dolby Digital 5.1, DTS 5.1, PCM 2.0 | Dolby Digital 5.1, DTS 5.1, PCM 2.0 |
| | CODECs decoded | AAC, MP3, MPEG1, WMV | AAC, MP3, MPEG1, WMV | AAC, MP3, MPEG1, WMV |
| **INTERFACES** | Wireless | IEEE 802.11ac dual band (5GHz & 2.4GHz), 2x2 wireless Wi-Fi with Wi-Fi Direct for home networks | IEEE 802.11ac dual band (5GHz & 2.4GHz), 2x2 wireless Wi-Fi with Wi-Fi Direct for home networks | Dual band 2.4GHz and 5GHz spectrums, compatible with IEEE 802.11/a/b/g/n networks |
| | Ethernet | IEEE 802.3 10/100/1000 | IEEE 802.3 10/100/1000 | IEEE 802.3 10/100/1000 |
| | Accessories Radio | Dedicated dual band Xbox Wireless radio | Dedicated dual band Xbox Wireless radio | Dedicated dual band Xbox Wireless radio |
| | USB Port | 3x USB 3.0 | 3x USB 3.0 | 3x USB 3.0 |
| | HDMI Out | 2.0b | 2.0a | 1.4b |
| | HDMI In | 1.4b | 1.4b | 1.4b |
| | S/PDIF | Yes | Yes | Yes |
| | IR Receiver/IR Blaster Port | Yes | Yes | Yes |
| | IR Blaster | Yes | Yes | No |
| | Kinect Port | External USB Adapter | External USB Adapter | Yes |