

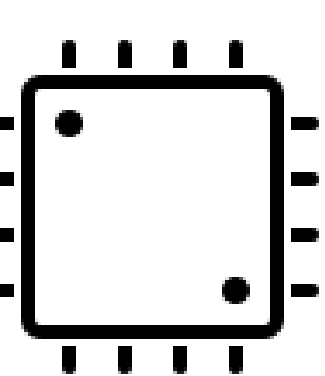
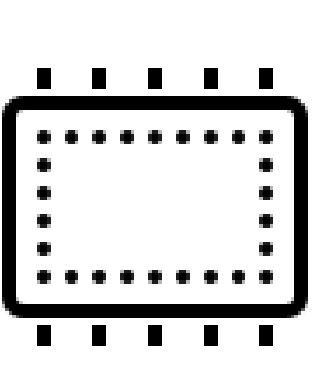
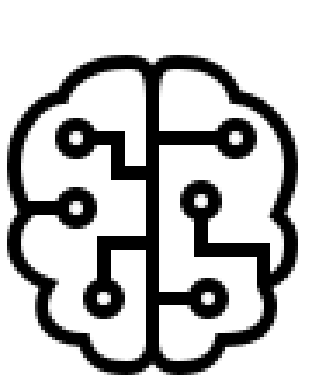
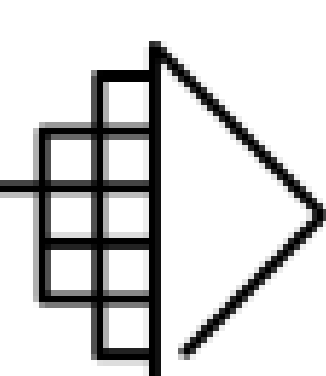
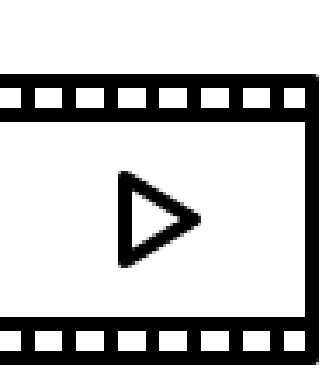

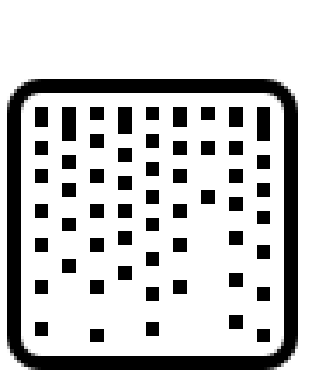
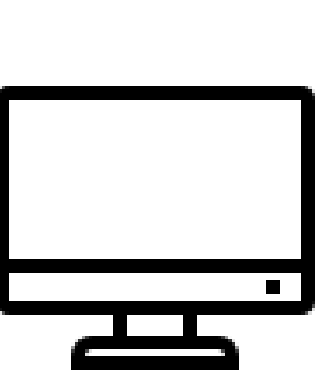
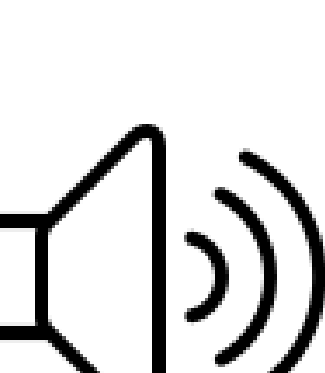
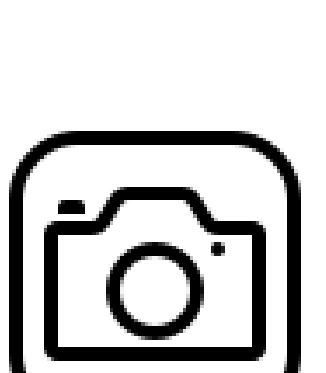
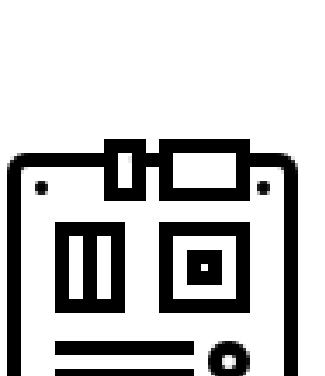
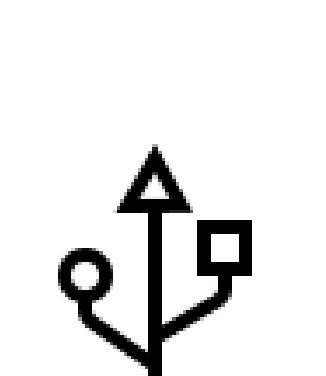
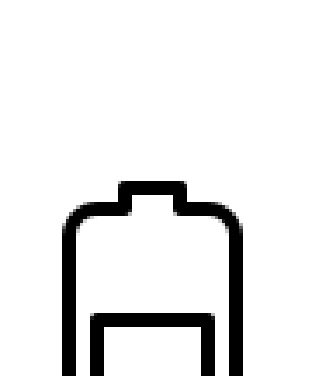

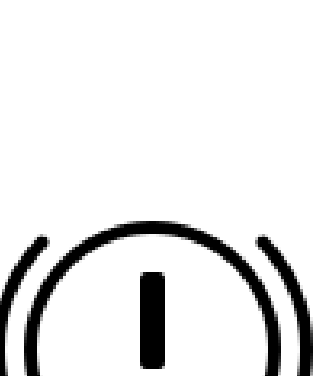

Mecha Comet

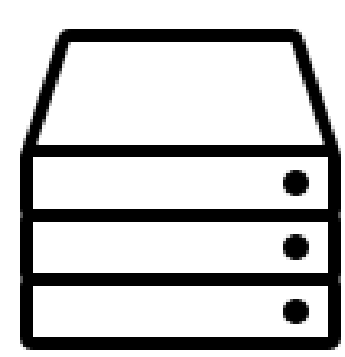
mecha

The Mecha Comet is a handheld modular Linux computer. Using its magnetic snap interface, the Comet can work as a multipurpose device, such as a remote terminal using a keyboard extension, a game controller or a tinkering tool using a breakout extension or you could make your own robot out of it.


The Comet is powered by a 1.8 GHz ARM64 Quad-core processor, with upto 8gb of memory and 128gb of onboard storage (expandable). The operating system is powered by Mechanix OS, a custom Fedora-based distro for Linux.

SPECIFICATIONS

| | | | |
|---|---|---|---|
|  | <div>System-on-Chip</div> <div>NXP i.MX 8M Plus</div> <div>Quad-Core ARM Cortex-A53, 1.8 GHZ</div> |  | <div>Memory</div> <div>4 / 8 GB LPDDR4, 4266 MT/s</div> <div>64 / 128 GB eMMC Flash</div> |
|  | <div>Processor Units</div> <div>ML Accelerator (2.3 TOPS)</div> <div>Cortex-M7 @ 800 MHz</div> |  | <div>GPU</div> <div>Vivante GC7000UL 3D, GC520L 2D</div> <div>Up to 1000 MHz shader clock</div> |
|  | <div>Video Processing</div> <div>1080p60 H.265, H.264, VP9 decode</div> <div>1080p60 H.265, H.264 encode*</div> |  | <div>Wireless</div> <div>WiFi 6 802.11a/b/g/n/ac/ax</div> <div>v5.4 Bluetooth, BLE, LE Audio</div> |
|  | <div>Display</div> <div>3.92" AMOLED, 1080×1240</div> <div>500 nits, 5-finger touch</div> |  | <div>Display Out</div> <div>HDMI 2.1 via Mini-HDMI jack</div> <div>Supports eARC</div> |
|  | <div>Audio</div> <div>1.2 W Speaker, 6 Ohm, 3.5 mm jack</div> <div>2x HD Digital Mic</div> |  | <div>Camera</div> <div>8MP IMX219 sensor, 3264 × 2464@60</div> <div>Inbuilt Auto-focus</div> |
|  | <div>PCI Express</div> <div>PCIe 3.0, 1x (8gb/s)</div> <div>B-Key, 2242 and 3042 sizes</div> |  | <div>USB</div> <div>2x USB-C 3.0, 1x USB-C 2.0</div> <div>Power Delivery, Up to 24V</div> |
|  | <div>Battery</div> <div>4100 MaH LiPo Battery</div> <div>Fast Charging, discharge upto 5A</div> |  | <div>Sensors</div> <div>Gyroscope, Accelerometer,</div> <div>Magnetometer, Ambient Light Sensor</div> |
|  | <div>Indicators</div> <div>Inbuilt Haptic Vibration Motor</div> <div>1x Programmable RGB LED</div> |  | <div>Security</div> <div>Isolated trust anchor</div> <div>Supports RSA, ECC, ED25519</div> |



Expandable Storage
MicroSD (SDXC)
NVMe SSD (2230)

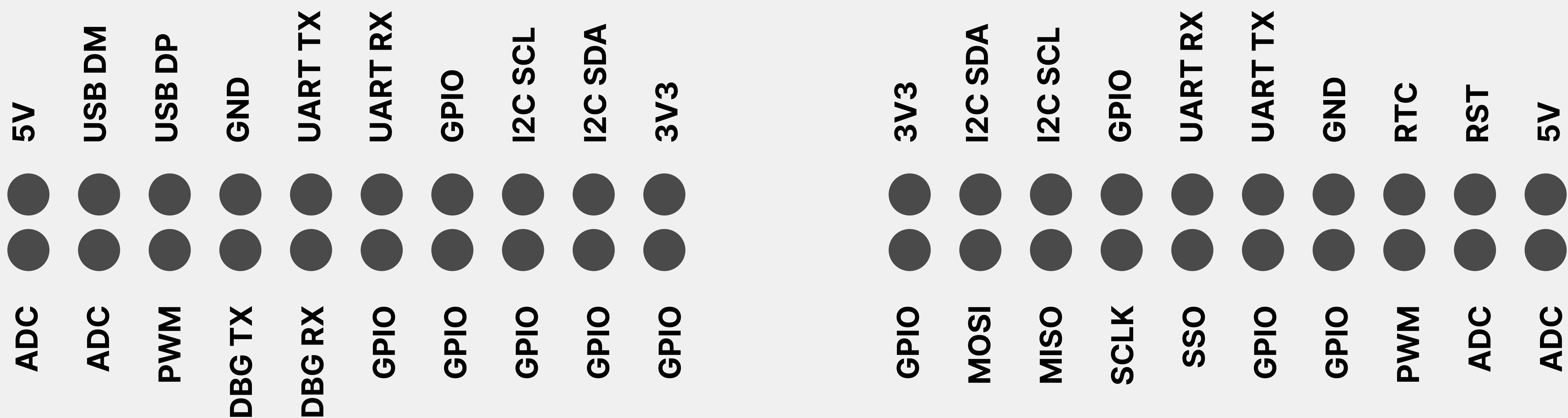


4G Modem
LTE Cat 4 module on M.2
NanoSIM Slot



Dimensions
73 mm x 155 mm x 14 mm
225 grams (7.9 Oz)

40-Pin IO Connector



Physical Layout

