

VIA
Mobile360 L900

Fanless ultra-compact in-vehicle system supporting nine automotive-grade cameras



Features

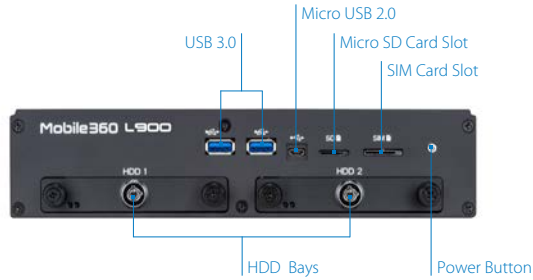
- Power-efficient NVIDIA TX2 embedded module
- Nine FAKRA connectors for automotive-grade cameras
- Wi-Fi, Bluetooth 4.1 and GPS wireless connectivity
- 9V~36V DC-in with IGN support & 12V DC-out
- Fanless, compact, and ruggedized chassis

Specifications

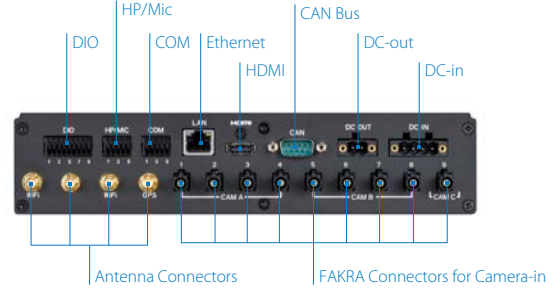
Model Name	Mobile360 L900
Processor	NVIDIA Dual-Core Denver 2 64-bit CPU and ARM® Cortex®-A57 MPCore
System Memory	8GB LPDDR4 RAM
Storage	32GB eMMC flash memory 2 M.2 slot (PCIe NVMe) 2 2.5" SATA HDD/SSD storage bays
Graphics	NVIDIA Pascal™ GPU architecture with 256 NVIDIA CUDA Cores
Wireless Connectivity	Wi-Fi 802.11a/b/g/n/ac + BT 4.1 combo LGA GPS module MAX-7C-0 u-blox 7 GNSS
Audio	Realtek ALC5658 Audio Codec
HDMI	Integrated HDMI 2.0 transmitter supports 4K display
Expansion I/O	1 miniPCIe slot (USB only)
Front Panel I/O	2 USB 3.0 ports 1 Micro USB 2.0 port (for debugging) 1 Micro SD card slot 1 SIM card slot 2 2.5" HDD/SSD bays 1 Power button
Back Panel I/O	1 HDMI port 1 DIO port 1 COM port 1 CAN bus port 1 Gigabit Ethernet port 9 FAKRA connectors for camera-in 1 Headphone and Mic-in connector 4 Antenna connectors for Wi-Fi/BT, 4G, GPS 1 4-pole Phoenix 9V~36V DC-in 1 2-pole Phoenix 12V DC-out
Power Supply	9V~36V DC-in with IGN 12V DC-out
Operating System	Linux Kernel 4.9
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Operating Humidity	0%~95% @ 40°C (non-condensing)
Mechanical Construction	Aluminum alloy to cover Metal chassis housing
Dimensions	240mm (W) x 53mm (H) x 180mm (D) (9.45" x 2.09" x 7.09")
Weight	3.0kg (6.61lbs.)
Compliance	FCC



Front Panel External I/O



Back Panel External I/O



Ordering Information

Part Number	System Built-in CPU	Description
M360-900-1Q20A1	NVIDIA Dual-Core Denver 2 and Quad-Core ARM A57	Fanless mobile system with NVIDIA Dual-Core Denver 2 and Quad-Core ARM A57 Processor, 8GB LPDDR4 RAM, HDMI, 2 USB 3.0, Micro USB 2.0 (debugging), DIO, COM, CAN bus, Gigabit Ethernet, 9 FAKRA connectors for camera-in, Wi-Fi, Bluetooth 4.1, GPS, SIM card slot, Micro SD card slot, 2 M.2 slots, 2 2.5" SSD/HDD bays, 12V DC-out, 9V~36V DC-in with IGN

Optional Accessories

Cameras & Accessories

Part Number	Description
99G40-08121Z	1.0MP FOV-40 720p CMOS automotive-grade camera
99G40-08140Z	1.0MP FOV-190 720p CMOS automotive-grade camera
99G33-230396	10M FAKRA cable
99G33-230406	15M FAKRA cable

Mounting Options

Part Number	Description
M360-SBKT-00A1	Mounting bracket kit (337.2mm x 185mm x 62mm)

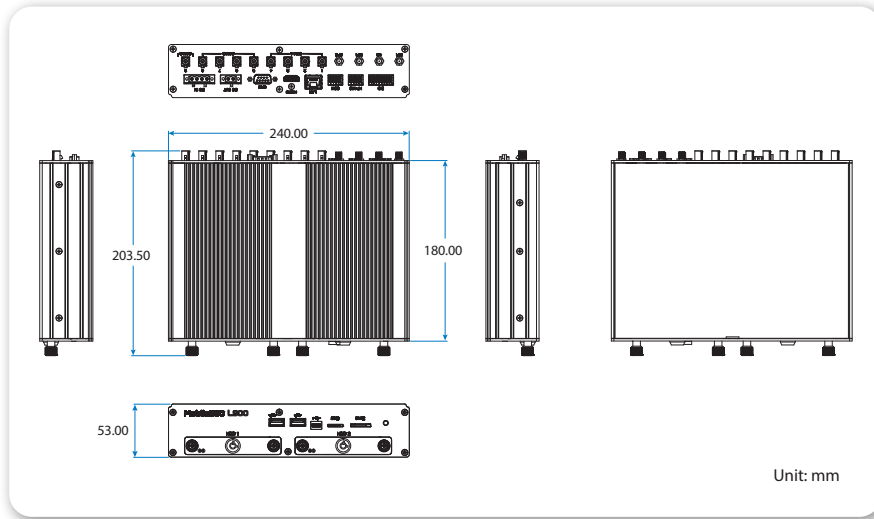
Display Accessories

Part Number	Description
99G73-01030C	7" Resistive touch monitor (1280 x 800)
99G73-01034C	10.1" Resistive touch monitor (1280x800)

Wireless Accessories

Part Number	Description
M360-LTE2-Q1USA1	4G LTE/DC-HSPA+/EGPRS Mobile broadband full-size miniPCIe module (For North America Regions)

Dimensions



Packing List

Items

- Mobile360 L900 system
- 2 Phoenix plug to DC jacks (DC-in & DC-out)
- COM cable (for debugging)
- GPS antenna
- 2 Wi-Fi/BT antennas