



## Features

- Fanless and ruggedized design
- Dual SIM sockets support WWAN redundancy
- Two removable 2.5" device bay and CFAST socket
- Rich I/O interfaces for wireless, SSD, GPS, WWAN and add-on card expansion
- Full car battery power control
- Wide-range voltage GPIO interface
- One PCI-E (x4) expansion

## Specifications

System Mainboard	MPT-7001V
CPU Type	7th/6th Gen Intel® Core Processor
Processor Speed	2.6GHz
Memory	2x 4GB DDR4-2133 SO-DIMM (Dual Channel)
Front Panel External I/O	CFAST, 2.5" device bay, 2nd Mic-In & Line-Out 2x SIM sockets, 2x USB 3.0, Reset button Status LEDs, 4x antenna connectors
Rear Panel External I/O	DVI-D, VGA, 3x COMs (one with RS422/485 options) 2x GbE, 2x USB 2.0, power connection, 1st Mic-In & Line-Out, GPIO, GbE status LEDs, 1x PCI-E (x4) slot
Storage	2x 2.5" device bay for SSD & HDD
Expansion slots	1x Half-size Mini PCI-E socket (USB 2.0) 1x Full-size Mini PCI-E socket (USB 2.0 + PCI-E) 1x 2230 M.2 E-Key socket (USB 2.0 + PCI-E) 1x 3042 M.2 B-Key WWAN socket (USB 2.0) 1x 2280 M.2 M-Key SSD socket (SATA)
Power Supply	DC 9V~36V
Construction	Aluminum
Chassis Color	Black
Mounting	Custom mounting rail
Dimensions	256.0 (W) x 182.0 (D) x 83.0 (H) mm 10.08" (W) x 7.17" (D) x 3.27" (H)
Operating Temperature	SSD: -30°C ~ 55°C (-22°F~131°F) HDD: -20°C ~ 45°C (-4°F~113°F) SSD: -40°C ~ 70°C (-40F ~ 158°F) system only
Storage Temperature	-35°C ~ 85°C (-31°F~185°F)
Relative Humidity	10 ~ 95% RH @ 45°C (non-condensing)
Vibration	Operating/Non-operating (SSD): 2,26 Grms (5~500 Hz) / MIL-STD-810G composite wheeled condition (Z-axis only) Operating/Non-operating (HDD): 1,04 Grms (5~500 Hz) / MIL-STD-810G highway truck condition (Z-axis only)
Shock	Non-operating: Sawtooth: 40G, 11 msec (Z-axis) Operating: Sawtooth: 20G, 11msec (Z-axis)
Certified	E-mark, CE class B, FCC class B

## Ordering Information

MPT-7000VSM	MPT-7000V with MBT-7001V, 6th Gen Intel® Core™ i7-6600U Processor w/ 2x 4GB DDR4-2133, 2xSSD bay, No PSU, No storage (RoHS)
LTE-ANT-INT-1	20cm 4G/3G WWAN antenna cable from M.2 to SMA Jack
LTE-ANT-INT-2	20cm 4G/3G WWAN antenna cable from mPCI-E to SMA Jack
WLAN-ANT-INT-1	20cm WLAN antenna cable from M.2 to SMA Jack

## Dimensions

