Oplayer357 OPS Player
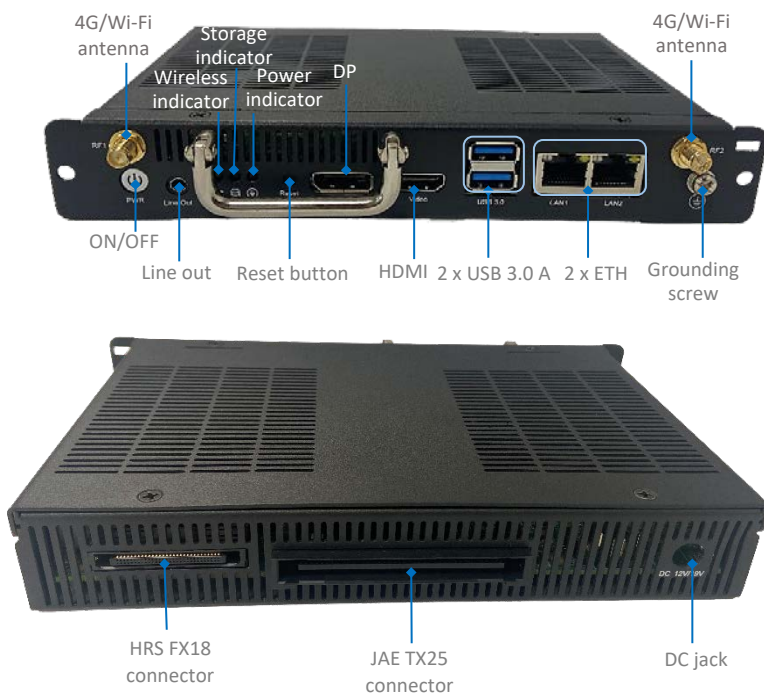

Product Brief

Conforming to Intel Open Pluggable Specification-Plus (OPS+), Vantron Oplayer357 OPS Player is powered by Intel® TigerLake processor with CoreTM i3/i5/i7 or Celeron® available for choice. Vantron Oplayer357 offers two DDR4 SO-DIMMs for a maximum of 64GB memory. Despite its energy efficiency, Oplayer357 boasts rich interfaces, including DisplayPort and HDMI that support 4K UHD output, 3.5mm line out jack, USB 3.0 ports and Ethernet jacks, allowing for flexible connectivity with different peripherals.

Oplayer357 can be easily connected to an OPS compliant display via the JAE TX25 plug connector which offers DisplayPort, HDMI, USB 2.0, USB 3.0, audio (Line-out) and UART signals. It also features an HRS FX18 connector that provides additional DisplayPort, 4-lane PCIe, and I^2C signals for user expansion. Such design greatly reduces space requirements and lowers deployment and maintenance costs.

Oplayer357 is designed to be seamlessly installed on Vantron TMC series large-screen touch monitors to offer an overall digital signage solution, significantly saving customers' efforts and expenditures.
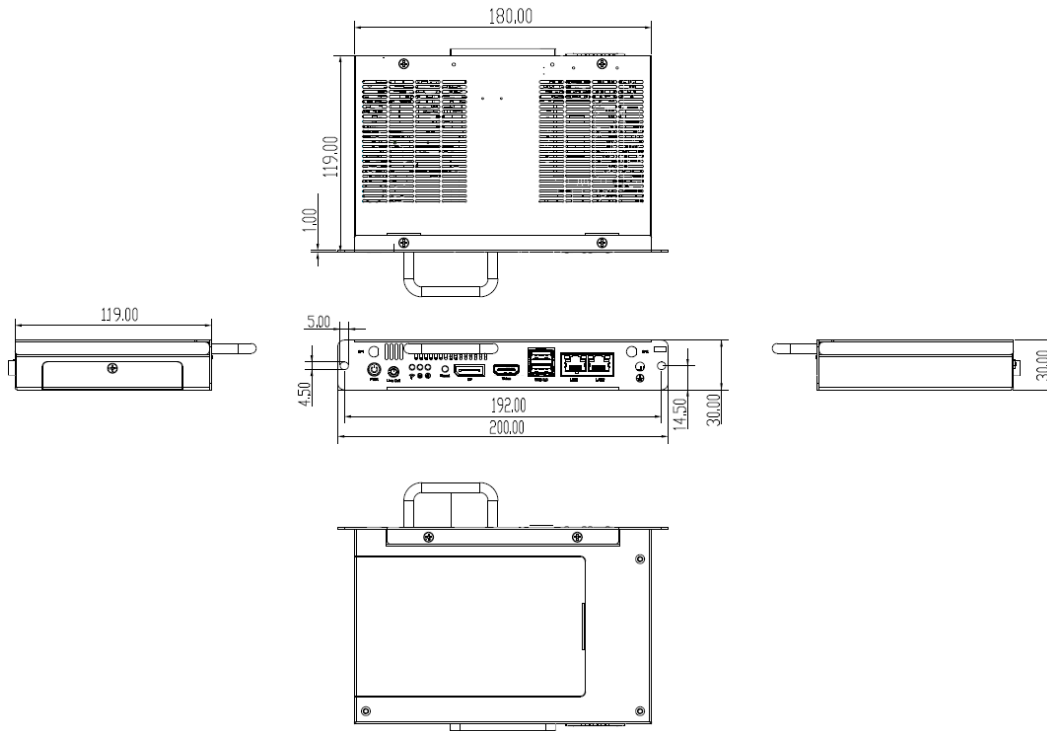
Exterior and Features

Oplayer357
Intel® CoreTM i3/i5/i7/Celeron® processor
Intel OPS+ compliant for flexible installation
4K UHD output
Rich interfaces for expansion
Wi-Fi/BT/4G/ETH for communication
Windows 10 IoT system, Linux available
Additional DP, HDMI, PCIe x4 signals supported

Oplayer357 OPS Player Datasheet

Oplayer357			
System	CPU	Intel® TigerLake-UP3 processor from: Core™ i7-1195G7 4C8T 12-28W, up to 5GHz Core™ i5-1155G7 4C8T 12-28W, up to 4.5GHz Core™ i3-1115G4 2C4T 12-28W, up to 4.1GHz Celeron® 6305 2C2T 15W, 1.8GHz	
	GPU	Intel® UHD Graphics	
	Memory	2 x DDR4 3200 SO-DIMM, up to 64GB	
	Storage	Expansion by an M.2 B-key	
Communication	Ethernet	2 x RJ45, 10/100/1000Mbps	
	Wireless	4G LTE or Wi-Fi 802.11 a/b/g/n/ac + BT 5.0	
I/Os	Media	1 x DP 1.4 (up to 4K @60Hz)	
		1 x HDMI 1.4 (up to 4K @30Hz)	
		1 x 3.5mm Line out jack	
	USB	2 x USB 3.0 Type-A	
	SIM slot	1 x Internal Nano SIM slot	
	Antenna	2 x SMA connector (4G/Wi-Fi & BT)	
	RTC	Supported	
JAE TX25	Display	1 x DP 1.4 (up to 4K @60Hz)	1 x HDMI 1.4 (up to 4K @30Hz)
	USB	1 x USB 3.0	3 x USB 2.0
	Audio	1 x Line out	
	UART	1 x 3.3V UART	
	Fan	1 x System fan out	
	Power	12V ~ 19V power input	
HRS FX18	Display	1 x DP 1.4 (up to 4K @60Hz)	
	PCIe	1 x PCIe x4	
	I²C	1 x I²C	
	SMBUS	1 x SMBUS for LAN	
System Control	Button	1 x ON/OFF button	1 x Reset button
	LED indicator	1 x Power indicator	1 x Wireless link/activity indicator
		1 x Storage active indicator	
Software	OS	Windows 10 IoT (Optional: Linux)	
Security	Watchdog timer	Supported	
	TPM	1 x TPM 2.0	
Power	Input	Power via the DC jack (12V ~ 36V 3A)	
		Power via the OPS monitor (12V ~ 19V 3A)	
Mechanical	Dimensions	200mm x 120mm x 30mm	
	Heat dissipation	Fan/Heat sink	
Environment Condition	Temperature	Operating: 0℃ ~ +35℃	Storage: -20℃ ~ +70℃
	Humidity	Operating and storage: 10~85% RH (non-condensing)	
	Certification	CE, FCC, CCC	

Product Outlines

Ordering Information

Ordering No.	CPU	JAE + HRS connectors	Wireless communication
Oplayer357-I3	Intel® Core™ i3 processor	Yes	4G module & antenna or Wi-Fi module & antenna
Oplayer357-I5	Intel® Core™ i5 processor	Yes	4G module & antenna or Wi-Fi module & antenna
Oplayer357-I7	Intel® Core™ i7 processor	Yes	4G module & antenna or Wi-Fi module & antenna
Oplayer357-CEL	Intel® Celeron® processor	Yes	4G module & antenna or Wi-Fi module & antenna

Packing list	
Oplayer357 OPS player	1
Qualified certificate	1

Optional accessories	
12V DC power adapter & power cord	1 kit
4G LTE/Wi-Fi antenna	2

Since its establishment in 2002 by two Silicon Valley entrepreneurs, Vantron Technology has been at the forefront of the connected IoT devices and IoT platform solutions. Today, Vantron boasts a global customer base that includes several Fortune 500 companies. Its product lines cover edge intelligent hardware, IoT communication devices, industrial displays and BlueSphere cloud device management platform.

With over 20 years of experience in R&D of embedded edge intelligent hardware, Vantron has provided users with diverse embedded solutions featuring ARM and X86 architectures. Its offerings range from Linux to Windows, from embedded to desktop level, and from gateway to server. In addition, it provides users with system clipping, driver transplantation and other related services.