

Overview

The ImagePoint 4x4™ is a fanless Cellular Router Gateway and PC server all in one, made with lock down connectors and for high resistance to vibration. The system is ideal for Vehicle Video recording, Monitoring vehicle metrics with Alerts, and GPS tracking. The 4x4 is certified for use on the Verizon cellular network.

Features

Quad- core 1.2+Ghz CPU

Eden x4 CPU offers double the performance with lower power consumption.

Fanless Design

Low Power with perfected heat dissipation fins, and Silent running.

Integrated SIM Card Reader

Integrated in is a mini-PCIe slot, with a SIM card reader allowing users to enable LTE, GSM, EvDO, 1XrTT, The Unit is certified for use on the Verizon network.

I/O Interfaces

This product provides rich a I/O interface, includes two GbE LAN ports, 3 serial COM ports, 1 I/O port, two USB 2.0 locking ports and two 3.0 USB ports for communications.



Operating Temperature

This product is ruggedized to support vibration and a wide range of temperatures. Outfitted with industrial components this appliance can thrive in harsh conditions. -40c to 60c, operating temperature.

Display Ports

This platform comes with multiple video-out ports (VGA and HDMI)

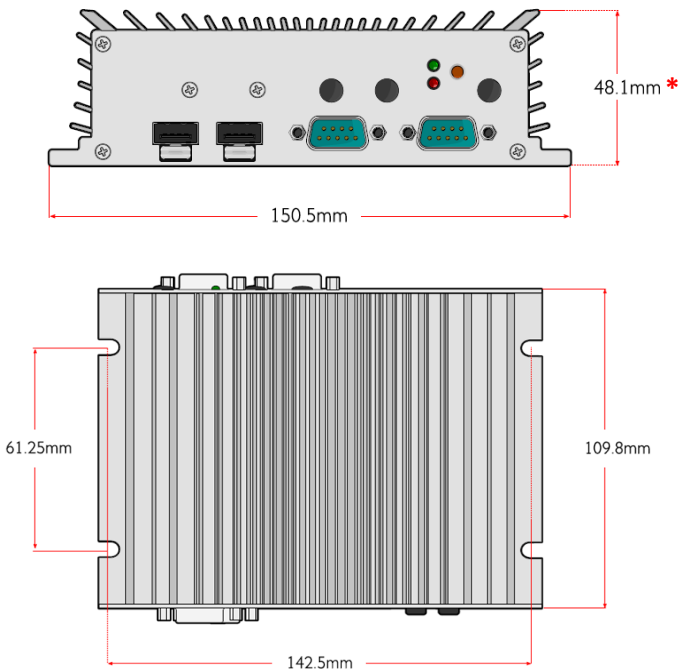
Dirt and Dust Proof Design

Solid chassis design with a fanless interior allows this product to be completely dustproof.

Mounting

This product provides flexible mounting possibilities for all Vehicles.

Dimensions 150.5 x 48.1 x 109.8 mm (5.92" x 1.89" x 4.32")



4x4 Specifications

Processor Option		VIA Eden Quad core 1.2+ Ghz
BIOS		Flash BIOS
System Memory	Sockets	1 x 204-pin SODIMM socket
	Technology	DDR3L - 1066 MHz to 1333Mhz
	Max. Capacity	Up to 16 GB, single slot SODIMM
USB		2 x USB 2.0, 2 x USB 3.0 compliant hosts: Type A connector
Digital I/O		3 x DI and 1 x DO with +5V TTL Level
Expansion Bus		Mini-PCle x 1, with SIM card reader
OS		4x4 Linux Platform
Storage	HDD/SSD Support	1 x mSATA- 128GB to 1 TB, SKYHAWK® HDD extension only
	Expansion	1 x 2.5" SSD/HDD drive bay, up to a 4TB HDD available
Networking	LAN	2 x 10/100/1000Mbps, Autosensing, RJ-45
	Controller	VIA®
Display	Graphics Controller	VIA Chrome®
	Display Interface	VGA x 1 (1600 x 1200), HDMI x 1 (1920 x 1080)
LEDs		Power, HDD active, network activity
Physical Characteristics	Housing	Aluminum heat-sink with steel cover base plate
	Weight	1.2 kg
	Dimensions (W x H x D)	150.5 x 48.1 x 109.8 mm (5.92" x 1.89" x 4.32")
	Mounting Options	Rugged tab mounting #8 bolts/screws, DC box kit mount
Environment	Ambient Operating Temp.	-40~60°C
	Storage Temperature	-20~80°C
	Ambient Relative Humidity (non-condensing)	5 to 98% (non-condensing)
Power	Input Voltage	9-36v DC
	Power Consumption	15 W typical, max dependent on add-on modules and drives
	DC Connector	DC locking screw down
	AC Power Adapter	60 W, 24 V/2.5 A (~90-264v AC)
Standards and Regulation	EMC	CE/FCC, Verizon® network certified
	Green product	M2M Solar certified®
Bios features	Auto Power on	Powers on automatically when power is sensed
	Watchdog Timer	1~255 level time interval system reset, software programmable
	Port changes within BIOS	RS232,RS485, RS422

4x4 Ordering Information

4x4-centOS 7	Fanless Industrial PC with Eden Quad core 1.2+ Ghz with mobile Enclosure
4x4-mSATA#	128, 256, 512 GB or 1 TB mSATA main drive
4x4-memory#	4, 8, or 16 GB, DDR3L single slot SODIMM
4x4-ext-hdd#	2.5" extension carriage kit for one x 2.5" SSD or HDD * adds ~1 inch to height 2.5" HDD options: 1TB, 2TB, 3TB, 4TB Seagate SKYHAWK® for Surveillance

Standard Accessories

4x4- dc-box	Self contained box with PoE switch, DC fuse tap cable, and 12v lighter plug-in options.
4x4- ac-power	AC Power Adapter 60 W 24V/2.4A, DC Jack with screw down connector
4x4-cloudUP	Unified Portals™ cloud service allowing real-time vehicle tracking, alert monitoring, historical data, and remote control of all active 4x4 services within your Fleet.
4x4-VN#	videoNEXT® AVATAR®, CAVU® Cloud Archiving, Analytics and Video feed services

Wireless Accessories

4x4-cell	Verizon Module	LTE/EvDO/1XRTT/GPS/GSM module
4x4-ant#	Antenna	CELL with coax length (bolt on or dashboard)
4x4-gps#	Antenna	GPS with coax length (bolt on or dashboard)
4x4-dual-ant#	Antenna	CELL/GPS/Wi-Fi Puck antenna (bolt on or dashboard)
4x4-wifi	Wi-Fi Module	4x4 Wi-Fi add-on module
4x4-wfant-int	Internal antenna	Internal Wi-Fi antenna

Vehicle Accessories

4x4-trailer	Cab to Trailer camera cable kit	Outdoor coiled Cable with 12 pin bulkhead connectors form Cab to Trailer suitable for Network, PoE and Sensors.
4x4-pwrext#	Extended battery run-time kit	Vehicle enclosure with #Ah battery and Battery Isolator circuit for days of continued Video recording when vehicle is not running.
4x4-solarpwr#	Vehicle Solar power kit	Customized 24/7 sustained Solar Power kit for, Truck Trailers, and Box cars under maximum size limits.
4x4-AXIS	Vehicle camera opt1	AXIS P3904-R network vehicle camera, with 32Gb microSD and Trailer box mount assembly.
4x4-HIK	Vehicle camera opt2	HikVision DS-2CD2532F-I network camera with 32Gb microSD and Trailer box mount assembly.
4x4-sensorkit	Vehicle sensor kit	Sensor kit provides, (Silent alarm button, Open trailer door contact, and Accelerometer tip over/stop short) remote Alerts.
4x4-gunshot	Gunshot detector	Gun Shot detector, only available with videoNEXT® Avatar service.

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