COMPACT VSL Vehicle Series

Embedded In-Vehicle Computer with Intel[®] Atom™ Elkhart Lake processor (x6000 Series)



IPC/COMPACT82 - VSL

This fanless RSL COMPACT82 generation is based on the Intel[®] Atom™ Elkhart Lake (EHL) processor technology, using the new 10nm "Tremont" architecture, it offers a wide range of interface options.

The robust and uncompromising industrial design allows the implementation in the most demanding applications and guarantees long term availability.

- Multi-core Intel® Atom™ processor
- Shock and vibration resistant
- Wide Temp. -40...+85°C on component level
- Made for 24/7 continuous operation







Product Highlights

Maintenance free & long term availability
Power Ignition controller
Hardware Watchdog
Trusted platform module (TPM 2.0)
UEFI Secure Boot
Temperature supervision
Persistent Flash BIOS
Fanless, no moving parts

Product Features

Intel® Atom™ Elkhart Lake, up to 4 cores up to 16GB LPDDR4 RAM LTE-4G, GNSS and WiFi6 connectivity CFast socket microSD socket 1GBit Ethernet and USB 3.1 CAN-FD and Serial Ports Modular product design wide range of expansion options

Industries / Applications

Automotive Transportation Automated Guided Vehicles (AGV) Special purpose vehicles Agriculture Industrial trucks

Order Code IPC Λ/SI 82 I19-Δ153 F1

	Order Code	IPC/VSL82J19-A153E ¹
		•
		on request
		1.5MB
		16GB
		32GB
		1
		1
		CR2477N
		•
		•
		•
		•
		•
		1
(Type A)		2
(M12 female x-coded)		2
(DSUB9)		2
(3042)		
(2230)		
		1
		•
(2x SMA)		•
		•
(1x SMA)		•
$(1x sMA)^3$		on request
(2x RP-SMA)		•
		w228 x h53 x d127
		~ 1750
(M12 4P male a-coded)		8.4 45VDC
		~17
		-40°C +70°C
		-40°C +85°C
		IP40
		on request
		on request
		•
		•
		·
		designed to meet
	(M12 female x-coded) (DSUB9) (3042) (2230) (2x SMA) (1x SMA) (1x SMA) (2x RP-SMA)	(Type A) (M12 female x-coded) (DSUB9) (3042) (2230) (2x SMA) (1x SMA) (1x SMA) (1x sMA) ³ (2x RP-SMA)

⁴ Depending on installation situation and interface connection. Please see user documentation.

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

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³ Multiband antenna needed (GNSS L1 band and L2/E5b/B2l bands). Example u-Blox type ANN-MB

⁵ on all possible components (excl. Connectors and wireless devices)