## Railway Computer COMPACT RML-R Series

Embedded Railway Computer with Intel<sup>®</sup> Atom™ E3900 processor



## IPC/RML-R 81

This fanless RML-R COMPACT81 generation is based on the Intel<sup>®</sup> Atom™ E3900 (Apollo Lake) processor technology and offers a wide range of interface options. The robust and uncompromising industrial design allows the implementation in the most demanding rolling stock applications and guarantees long term availability.

- Railway approved (EN50155 & EN45545)
- 24/7 continuous operation
- M12 connectors for Power and LAN
- Shock and vibration resistant
- Full -40...+85°C on component level





Product Highlights	Product Features	Markets / Applications
Each LAN interface has its own dedicated NIC Power Ignition controller Inertial Measurement Unit (IMU) GNSS with dead reckoning Fanless, No moving parts Maintenance free Long term availability	Intel <sup>®</sup> Atom <sup>™</sup> E3900 Series up to 2.0GHz, 4 Cores RAM soldered on board 8GB Socket for CFast storage card Gbit Ethernet, PoE, USB 3.1, CAN Digital I/Os Optional 5G, 4G, Wi-Fi & Bluetooth options Rugged M12 connectors	Railway (rolling stock) Transportation
	Stainless steel housing	
	Stainless steel housing Protection class IP40	

preliminary

Railway Computer

	• optional
	• optional
	optional
	2MB
	8GB
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( <b>T</b>	
	2
· · · · · · · · · · · · · · · · · · ·	6
(DSOBA)	2
(Weidmüller terminal block)	4 inputs, 4 output
	optional
	optional
	1
(M 2 30/2)	1
	1
(11.2 2230)	1
	1
	1
	1
	1
	2x SMA
	ZX SIVIA
	2x RP-SMA
	1x SMA
(1, 5111)	
	optional
(IX SIVIA)	optional
	w262 x h64 x d13
	~1900
	16.8 45VDC
(M12 4P male a-coded)	optional
	~10-15s
	~ 500
	~ 12
	-40°C +70°C
	-40°C +85°C
	IP40
	PCX
	EN61373
	EN61373
	EN50121-3-2
	EN62368-1
	EN45545-2 HL3
	RED
	~480 000h
	(Type A) (M12 female x-coded) (DSUB9) (Weidmüller terminal block) (M.2 3042) (M.2 2230) (M.2 24P male a-coded) (M.2 4P male a-coded)

<sup>3</sup>NEO M9 Series, NEO-M9L (with dead reckoning) is planned, however subject to availability the NEO-M9N (without dead reckoning) may be used prior. <sup>4</sup>Depending on installation situation and interface connection. Please see user documentation.

<sup>5</sup>On all possible components (excl. connectors and wireless devices)

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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