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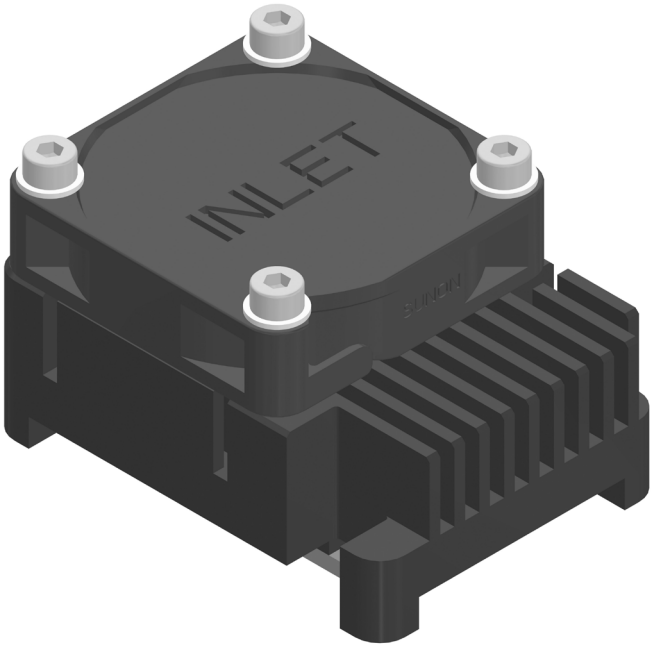

ACTIVE HEATSINK ASTRIAL KIT

Annex Manual

03/2025-00-1E000502

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Revision	Revision history	Pages
00	Draft	-

This manual applies to the product codes:

ACTIVE HEATSINK ASTRIAL KIT 1E000502

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This product meets the safety requirements of the following standards:

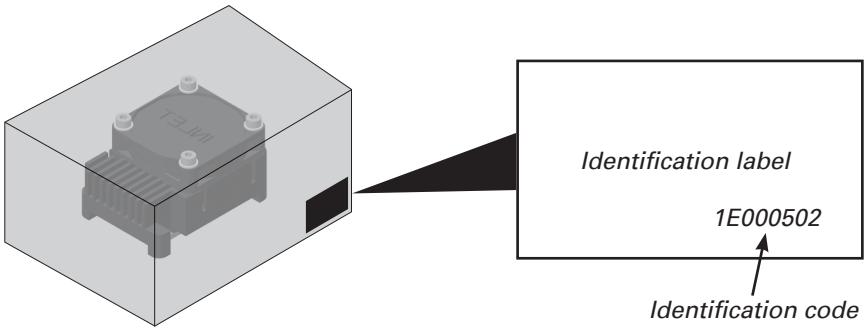
- Directive 2014/35/EU Electrical equipment designed for use within certain voltage limits: (LDV).
- Directive 2014/30/EU: Electromagnetic compatibility: (EMC).
  Harmonised standard Immunity of industrial devices: CEI EN 61000-6-2
- Harmonised standard Emission of industrial devices: CEI EN 61000-6-4
- Directive 2011/65/EU. Restricted use of certain hazardous substances in electrical and electronic equipment: (RoHS2)
- Directive 2015/863/EU amending Annex II of Directive 2011/65/EU as regards the list of restricted substances: (RoHS3)
- REGULATION (EU) 2023/988. General product safety
- REACH REGULATION (EU) No.1907/2006. General product safety

General information

Thank you for choosing ACTIVE HEATSINK ASTRIAL KIT. KIT consisting of a heatsink, a gap pad, and a fan, which offers two assembly options depending on the support on which it is installed:
- CASE #1 "Carrier without spacers";
- CASE #2 "Carrier with spacers".

Please read this manual and keep it with care. The information it contains will be indispensable for correct installation and safe use. With this manual, SYSTEM ELECTRONICS wishes to establish a cooperative relationship with you in order to perfect our product to make it more versatile for your needs. That is why we kindly ask you to notify us of any errors, oversights, malfunctions, suggestions, comments, opinions, by writing to the contacts you will find in this manual.

Product identification



Availability

For the documentation, see **System Electronics.ai**

Technical support

EBV, as an authorised reselled of the product, is available for a first level contact to customer and for any additional information or clarification required.
If necessary, please contact (sito EBV)
In case of deeper technical expertise support is needed, the manufacturer support service is available for clarification or contact and intervention by specialists.

Always specify:
- Customer's name and identification data;
- The product identification data, such as: code and model.

If necessary, please contact:
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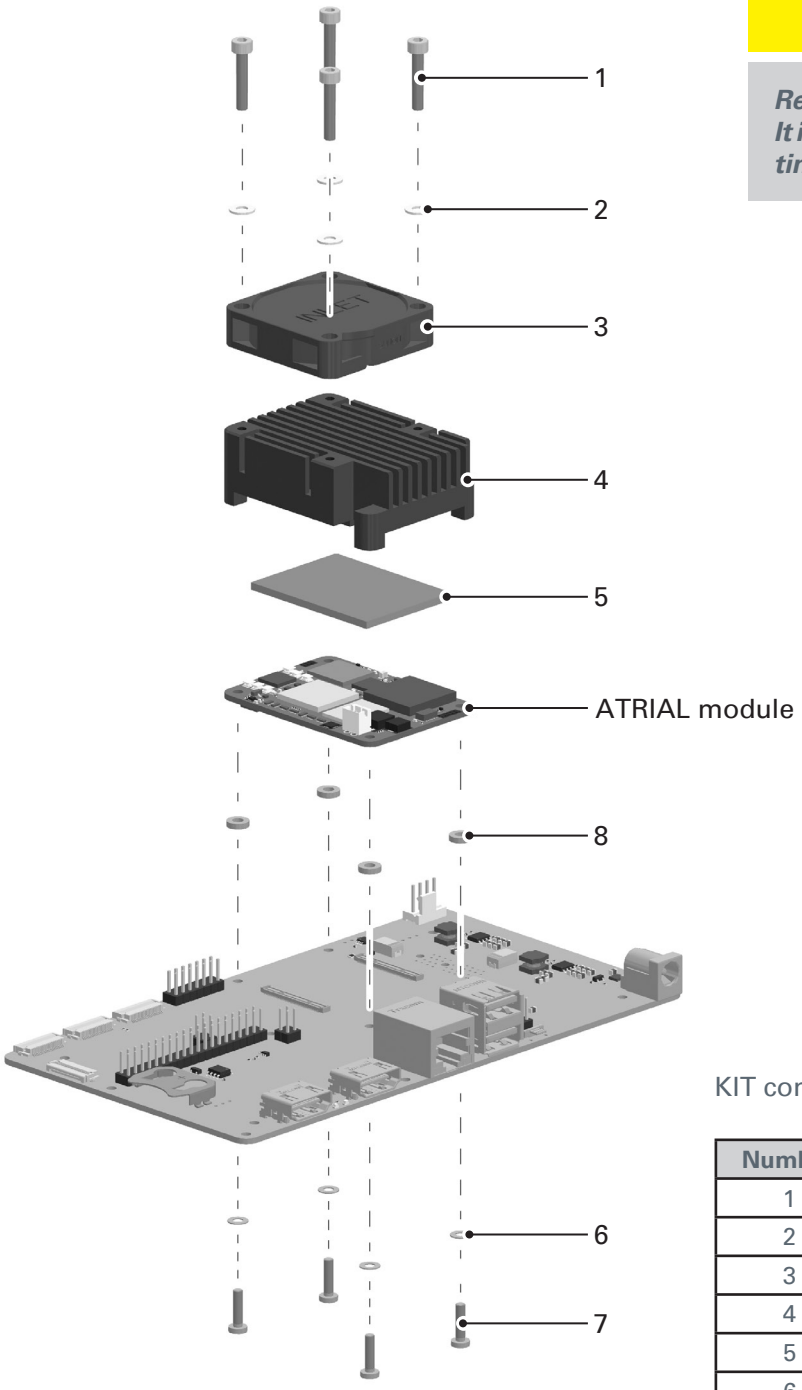
NOTES

Always purchase original or equivalent spare parts if authorised in writing by SYSTEM ELECTRONICS

Assembly sequence: CASE #1 "Carrier without spacers"

To prevent board damages due to bending please put the provided spacers "**8**" between Astrial module and carrier board.
Use 4 TCEI M3X16 screws and DIN 125 washers to secure the KIT to the module with a tightening torque of ??? Nm in order to avoid damage to the module.



CAUTION!

Remove the gap pad protective liners before use. It is not recommended to reuse the gap multiple times.

KIT contents:

Number	Description	QTY
1	ALLEN BOLT 3X16	4
2	DIN 125 WASHER	4
3	40 x 40 x10 FAN 5V	1
4	HEATSPREADER	1
5	GAP PAD ULTRASOFT 2MM	1
6	DIN137A WAVY WASHER M2.6	4
7	DIN 7985 2,5X10 SCREW	4
8	1.5 mm SPACER	4

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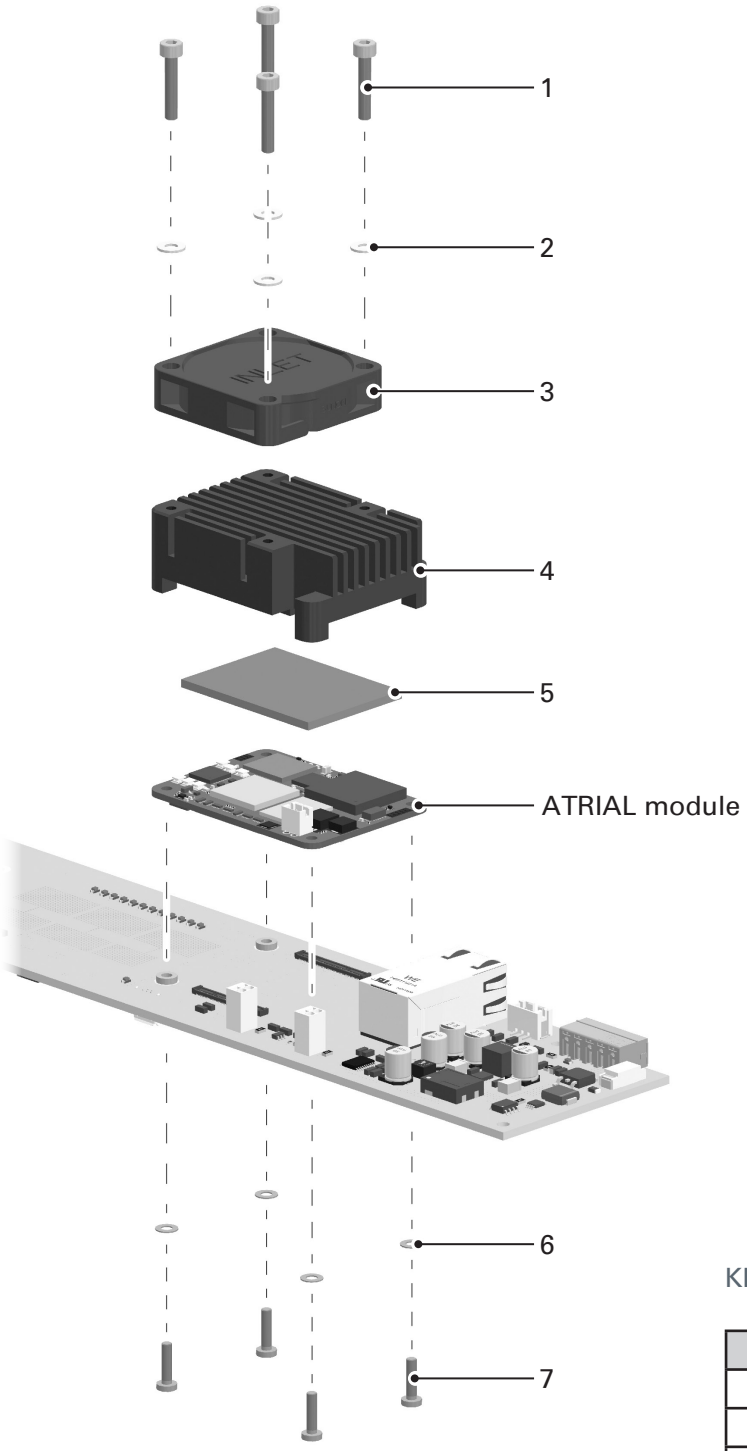
Assembly sequence: CASE #2 "Carrier with spacers"



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3	40 x 40 x10 FAN 5V	1
4	HEATSPREADER	1
5	GAP PAD ULTRASOFT 2MM	1
6	DIN137A WAVY WASHER M2.6	4
7	DIN 7985 2,5X10 SCREW	4

Standard Torque Chart

Thread Size	Tightening Torque / Standard Torque Chart for Standard Threads Torque in (Nm)					
Strength Class	4.6	5.6	6.8	8.8	10.9	12.9
M2	0,13	0,16	0,26	0,35	0,49	0,59
M2,5	0,27	0,34	0,54	0,72	1,01	1,21
M3	0,48	0,60	0,96	1,28	1,80	2,16
M4	1,12	1,39	2,23	2,97	4,18	5,02
M5	2,26	2,83	4,52	6,03	8,48	10,18
M6	3,84	4,80	7,69	10,25	14,41	17,29
M7	5,13	6,42	10,27	13,70	19,25	23,10
M8	9,35	11,69	18,70	24,93	35,06	42,07
M10	18	23	37	49	70	83
M12	32	40	65	86	121	146
M14	52	65	104	138	194	233
M16	81	101	161	215	302	363
M18	112	139	222	296	417	500
M20	157	197	315	420	590	709
M22	215	269	430	574	807	968
M24	272	340	544	726	1020	1224
M27	400	500	800	1067	1500	1800
M30	542	677	1083	1445	2032	2438
M33	739	923	1477	1969	2770	3323
M36	948	1185	1896	2528	3555	4266
M39	1229	1536	2457	3276	4607	5529
M42	1519	1899	3038	4050	5696	6835
M45	1898	2373	3796	5062	7118	8541
M48	2282	2853	4565	6086	8559	10271
M52	2954	3692	5907	7876	11076	13292
M56	3672	4591	7345	9793	13772	16526
M60	4582	5728	9164	12219	17183	20619
M64	5536	6920	11071	14762	20759	24911
M68	6720	8400	13440	17919	25199	30239

Decommissioning and disposal

DANGER!

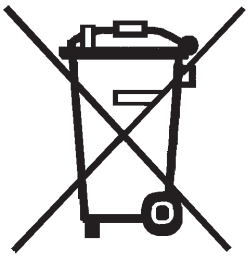
Switch off the power supply before disconnecting the cables and dismantle the parts to be disposed of

The Module must be dismantled and disassembled completely before being disposed of.

- Plastic enclosure parts must be taken to a plastic recycling centre.
- Stainless steel parts must be taken to a metal recycling centre.
- Electronic components and/or printed circuit boards must be disposed of in compliance with national regulations for the disposal of electronic products.

WARNING!

Dispose of the various materials so that they can be recycled in compliance with the regulations in force in the country of use.
Nationally, the European Union Act 2018 amended Legislative Decree 49/2014, in compliance with Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

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