

IN-S Desktop Chassis Manual

BEIJING RDEKONO ELECTRONIC EQUIPMENT CO.,LTD





Beijing RdeKono Electronic Equipment

Beijing Rdekono Electronic Equipment co., Ltd



Beijing Rdekono Electronic Equipment Co., Ltd. was established in 2010 and is a national high-tech enterprise that integrates research and development, design, manufacturing, and services. The company has always been driven by technological innovation, deeply cultivating the field of electronic mechanical structures, strictly adhering to the ISO 22163 quality management system for the rail transit industry, and committed to providing customers with high-quality integrated solutions for complete machine systems.

Core layout and manufacturing strength

The company has established a strategic layout for the coordinated development of the Beijing Tianjin Hebei region:

Beijing headquarters: Gathering industry elite teams, building an innovative research and development center, leading technology research and product design;

HeBei Processing Center: Focusing on precision component manufacturing, laying a solid foundation for complete machine production with exquisite craftsmanship and strict quality control;

Tianjin Manufacturing Center: Relying on efficient and collaborative modern production lines, achieve lean and intelligent assembly and large-scale production of the entire machine.

Technical advantages and R&D philosophy

The company's R&D team is based on the whole machine engineering technology platform, integrating interdisciplinary technologies such as machinery, electronics, and materials, and deeply focusing on the full chain development of whole machine system integration. Form technical barriers in key areas such as availability design, structural optimization, thermal management, electromagnetic shielding, distribution systems, and reliability protection. Adhering to the core concept of "facing user needs, manufacturing efficiency, and cost optimization", we ensure that our products accurately match the market and achieve the maximum balance between efficiency, quality, and commercial value.

One stop service empowers customers

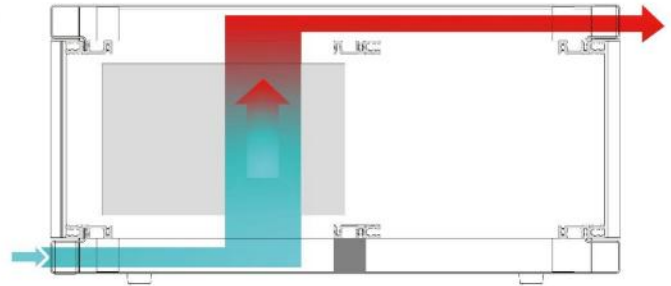
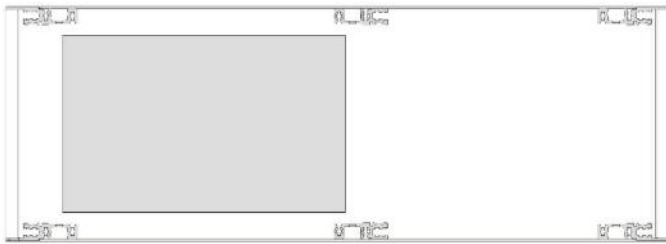
From conceptual design, precision machining to mechatronics assembly, the company provides end-to-end full process services, deeply integrating innovative design and advanced manufacturing capabilities. By providing customized solutions to help customers shorten product launch cycles, optimize production costs, enhance core competitiveness, and create sustainable value for partners in fields such as rail transit and industrial electronics.

Mission Vision and Value Adherence

Corporate Mission: Integrating innovation, striving for excellence, and creating long-term value for customers with outstanding products;

Development Vision: To become a leading global supplier of electronic mechanical structural solutions, establish trust with quality, and achieve long-term success with service;

Core values: Achieve customer success, empower employees, share development, and build a mutually beneficial industrial ecosystem.



IN-S Series Subracks

Suitable for pull-out handle
According to IEEE 1101.10/11 standard,
applicable to CompactPCI and VME64x
applications

Ventilation type IN-S Series Subracks

1U for ventilation
(Top 1/2 U, Bottom 1/2 U)

Reference Standard

Structural dimensions: IEC 60297-3-101/IEEE 1101.1, IEC 60297-3-102/IEEE 1101.10/11,
Protection level: IP20, compliant with IEC 60529 standard
Suitable for CompactPCI and VME64x applications according to IEEE 1101.10/11 standard
The protective grounding connection complies with EN 50178/VDE 0160, EN 60950/VDE 0805,
EN61010-1/VDE 0411 Part 1,
EN61010-1A2/VDE 0411 Part 1/A1
Electromagnetic compatibility testing in accordance with VG 95373 Part 15

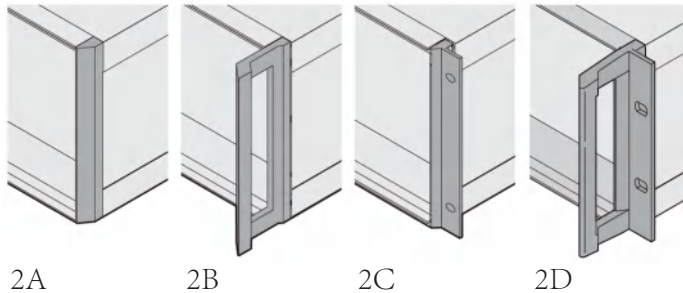
Customer Service

Easy conversion from desktop chassis to 19 inch subrack chassis
Special colors can be customized
Further depth and width
Fan back panel
Customized openings for front panel, rear panel, cover plate, and bottom plate
Assemble according to customer specifications

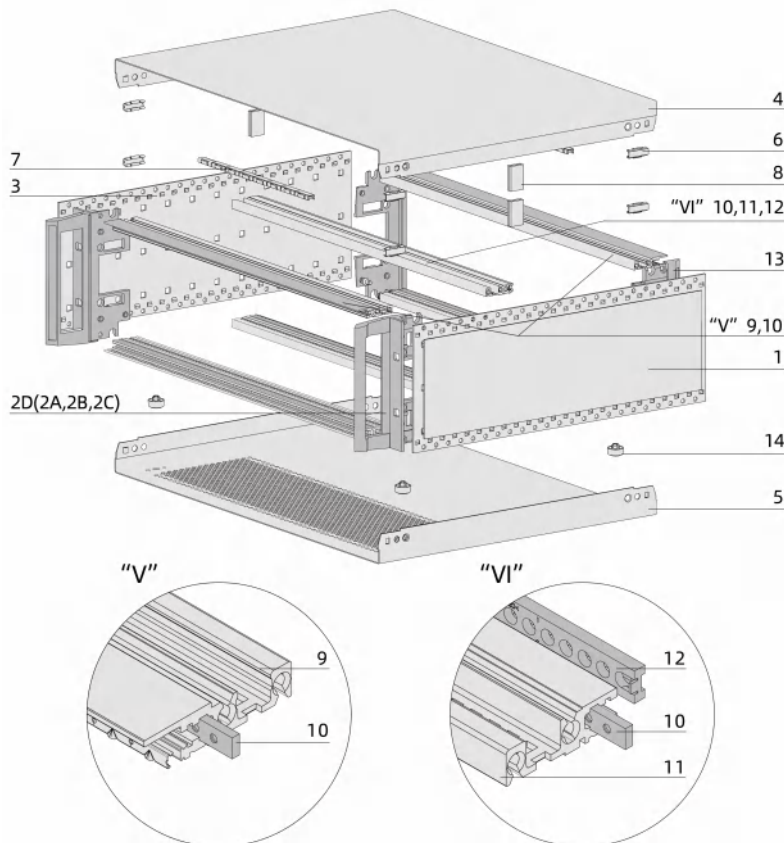
IN-S Series Subracks



IN-S Subrack (3U/6U)

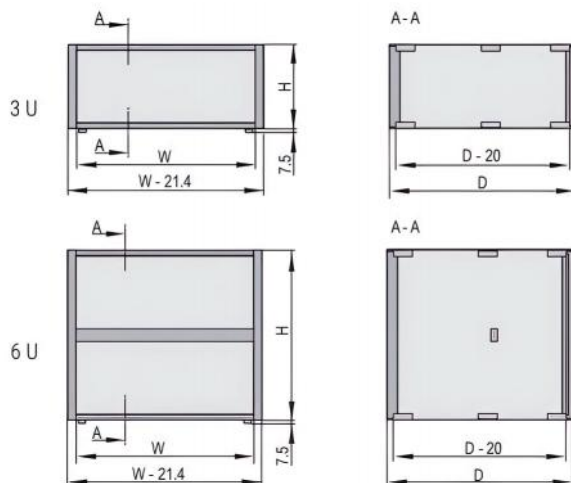


- Desktop chassis pre configured according to IEC 60297-3-101 standard, suitable for European style boards and backboards with insulation strips
- This version comes with an outer panel and no visible screws
- Symmetrical design, front and rear identical/front flange (including handle integrated profile)
- Suitable for board depths of 160mm, 220mm, 280mm, and 340mm (depending on chassis depth)
- Compliant with DIN EN 62368-1



Delivery Comprises(kit)

Item Name	3U/6U Qty	Colour code	Note
1 The outer side panel	2	RAL9006	/
2A Front flange	2	RAL9004	Optional
2B front handle	2	RAL9004	Optional
2C Front flange	2	RAL9004	Optional
2D front handle	2	RAL9004	Optional
3 side panel	2	RAL9006	/
4 top cover plate	1	RAL9006	/
5 bottom cover plate	1	RAL9006	/
6 side panel gasket	8	/	/
7 cover plate gasket	4	/	/
8 Velcro	4	/	/
9 Front rails	4	RAL9004	/
10 Threaded insert	6	/	/
11 Rear rails	2	RAL9004	/
12 Insulation strip	2	/	/
13 After Bracket	2	RAL9004	/
14 Supporting Foot	4	PC Black	/
15 Install components			



IN-S Series Subracks

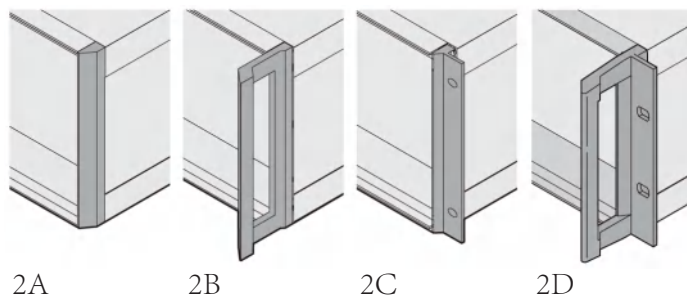
3U/6U Order information

Image illustration	height H=U	width W=HP	depth D=mm	Material No
	3U	63	255.5	A24571-026
		63	315.5	A24571-029
		63	375.5	A24571-030
		84	255.5	A24571-038
		84	315.5	A24571-041
		84	375.5	A24571-042
		84	435.5	A24571-043
		84	495.5	A24571-044
	6U	63	255.5	A24571-122
		63	315.5	A24571-125
		63	375.5	A24571-126
		84	255.5	A24571-134
		84	315.5	A24571-137
		84	375.5	A24571-138
		84	435.5	A24571-139
		84	495.5	A24571-140
	3U	63	255.5	B24571-726
		63	315.5	B24571-729
		63	375.5	B24571-730
		84	255.5	B24571-738
		84	315.5	B24571-741
		84	375.5	B24571-742
		84	435.5	B24571-743
		84	495.5	B24571-744
	6U	63	255.5	B24571-822
		63	315.5	B24571-825
		63	375.5	B24571-826
		84	255.5	B24571-834
		84	315.5	B24571-837
		84	375.5	B24571-838
		84	435.5	B24571-839
		84	495.5	B24571-840
	3U	84	255.5	C24571-438
		84	315.5	C24571-441
		84	375.5	C24571-442
		84	435.5	C24571-443
		84	495.5	C24571-444
	6U	84	255.5	C24571-534
		84	315.5	C24571-537
		84	375.5	C24571-538
		84	435.5	C24571-539
		84	495.5	C24571-540
	3U	84	255.5	D24572-630
		84	315.5	D24572-633
		84	375.5	D24572-634
		84	435.5	D24572-635
		84	495.5	D24572-636
	6U	84	255.5	D24572-660
		84	315.5	D24572-663
		84	375.5	D24572-664
		84	435.5	D24572-665
		84	495.5	D24572-666

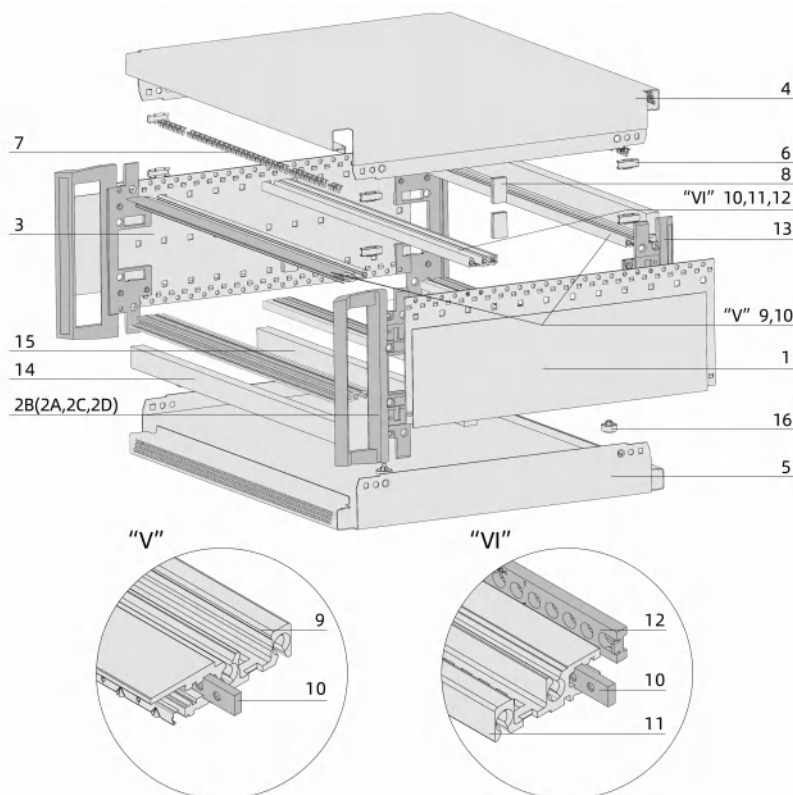
IN-S Series Subracks



EMC IN-S Subracks (4U/7U)

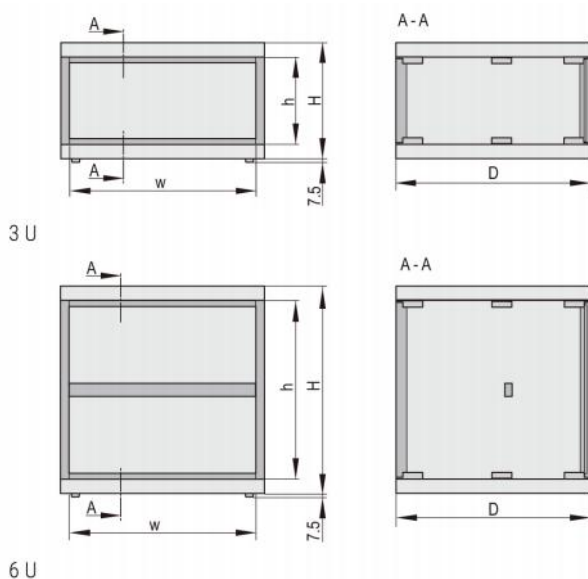


- Desktop chassis pre configured according to IEC 60297-3-101 standard, suitable for European style boards and backboards with insulation strips
- Install EMC shielding components
- This version comes with an outer panel and no visible screws
- Symmetrical design, front and rear identical/front flange (including handle integrated profile)
- Suitable for board depths of 160mm, 220mm, 280mm, and 340mm (depending on chassis depth)
- Compliant with DIN EN 62368-1



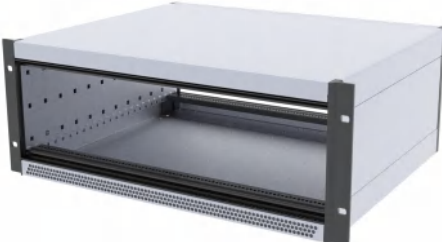
Delivery Comprises(kit)

Item Name	4U/7U Qty	Colour code	Note
1 The outer side panel	2	RAL9006	/
2A Front flange	2	RAL9004	Optional
2B front handle	2	RAL9004	Optional
2C Front flange	2	RAL9004	Optional
2D front handle	2	RAL9004	Optional
3 side panel	2	RAL9006	/
4 top cover plate	1	RAL9006	/
5 bottom cover plate	1	RAL9006	/
6 side panel gasket	8	/	/
7 cover plate gasket	4	/	/
8 Velcro	4	/	/
9 Front rails	4	RAL9004	/
10 Threaded insert	6	/	/
11 Rear rails	2	RAL9004	/
12 Insulation strip	2	/	/
13 After Bracket	2	RAL9004	/
14 Dust proof cotton	2	/	/
15 Windshield block	1	/	/
16 Supporting Foot	4	PC Black	/
17 Install components			



IN-S Series Subracks

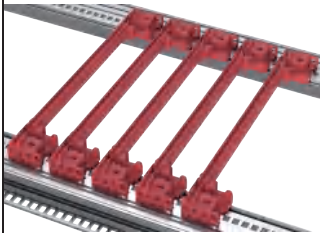
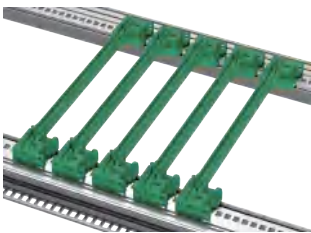
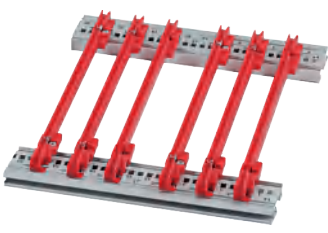
4U/7U Order information(Including EMC)

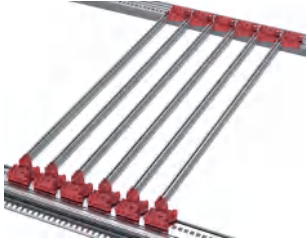
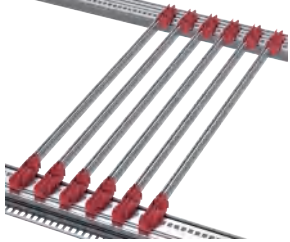
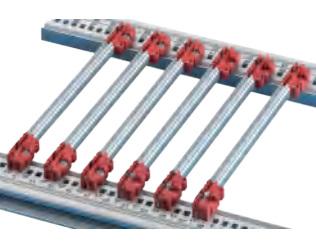
Image illustration	height H=U	width W=HP	depth D=mm	Material No
	4U (0.5U+3U+0.5U)	63	255.5	A24571-170
		63	315.5	A24571-173
		63	375.5	A24571-174
		63	435.5	A24571-175
		84	255.5	A24571-182
		84	315.5	A24571-185
		84	375.5	A24571-186
		84	435.5	A24571-187
		84	495.5	A24571-188
	7U (0.5U+6U+0.5U)	63	255.5	A24571-266
		63	315.5	A24571-269
		63	375.5	A24571-270
		63	435.5	A24571-271
		84	255.5	A24571-278
		84	315.5	A24571-281
		84	375.5	A24571-282
		84	435.5	A24571-283
		84	495.5	A24571-284
	4U (0.5U+3U+0.5U)	63	315.5	B24571-873
		63	375.5	B24571-874
		63	435.5	B24571-875
		84	255.5	B24571-882
		84	315.5	B24571-885
		84	375.5	B24571-886
		84	435.5	B24571-887
		84	495.5	B24571-888
	7U (0.5U+6U+0.5U)	63	255.5	B24571-969
		63	315.5	B24571-970
		63	375.5	B24571-971
		84	255.5	B24571-978
		84	315.5	B24571-981
		84	375.5	B24571-982
		84	435.5	B24571-983
		84	495.5	B24571-984
	4U (0.5U+3U+0.5U)	84	255.5	C24571-582
		84	315.5	C24571-585
		84	375.5	C24571-586
		84	435.5	C24571-587
		84	495.5	C24571-588
	7U (0.5U+6U+0.5U)	84	255.5	C24571-678
		84	315.5	C24571-681
		84	375.5	C24571-682
		84	435.5	C24571-683
		84	495.5	C24571-684
	4U (0.5U+3U+0.5U)	84	255.5	D24572-670
		84	315.5	D24572-673
		84	375.5	D24572-674
		84	435.5	D24572-675
		84	495.5	D24572-676
	7U (0.5U+6U+0.5U)	84	255.5	D24572-690
		84	315.5	D24572-693
		84	375.5	D24572-694
		84	435.5	D24572-695
		84	495.5	D24572-696

IN-S Series Subracks

B-type guide rail

Order Information

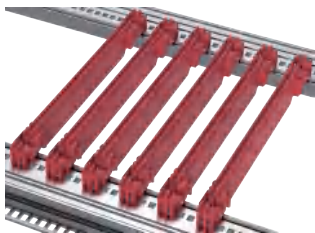
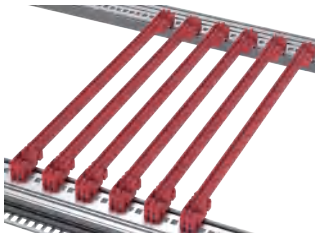
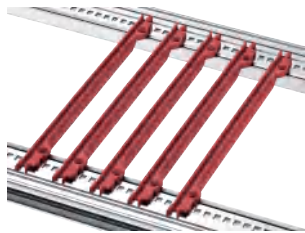
board length mm	guide rail slot width mm	color	color code	 2.0 is suitable for 1.6mm thick PCB boards; Codeable, the coding room is used for installing coding pins, and red is used for system slots			 2.0 is suitable for 1.6mm thick PCB boards; Codeable, the coding room is used for installing coding pins with a 0.1 "offset, and green is used for power supply			 2.0 is suitable for 1.6mm thick PCB boards; Red is used for system slots		
				Type B CPCI guide rail			Type B CPCI offset guide rail			Type B standard guide rail		
70	2	gray	RAL7044	1001125			-			-		
70	2	red	RAL3031	1001124			-			1001102		
160	2	gray	RAL7044	1001018			-			-		
160	2	red	RAL3031	1001019			-			1001020		
160	2	green	RAL6024	-			1001096			-		
220	2	gray	RAL7044	1001131			-			-		
220	2	red	RAL3031	1001113			-			1001015		
Beam fixing screws M4*14				1004229			1004229			1004229		

board length mm	guide rail slot width mm	color	color code	 The 2.0 slot width is suitable for 1.6mm thick plate cards, and the 2.5 slot width is suitable for 2mm thick PCB cards. The guide rail head material is PC+20% GF, and the middle section of the guide rail is made of aluminum profile. The length can be customized and used for any length of card, and can be encoded			 The 2.0 slot width is suitable for 1.6mm boards, and the guide rail head material is PC+20% GF. The middle section of the guide rail is made of aluminum profile, and the length can be customized for any length of board			 The 2.0 slot width is suitable for 1.6mm boards, and the guide rail head material is PC+20% GF. The middle section of the guide rail is made of aluminum profile, and the length can be customized for any length of board		
				Multi piece type B CPCI guide rail			Multi piece type B guide rail			Multi piece type B short guide rail		
length	2	gray	RAL7044	-			-			-		
customizable	2	red	RAL3031	-			-			-		
length	2.5	gray	RAL7044	-			-			-		
customizable	2.5	red	RAL3031	-			-			-		
Beam fixing screws M4*14				1004229			1004229			1004229		

IN-S Series Subracks

B-type guide rail

Order Information

board length mm	guide rail slot width mm	color	color code	 2.0 slot width suitable for 1.6mm thick plate card; Red is used for system slots Type B short guide rail			 2.0 slot width suitable for 1.6mm thick plate card; Red is used for system slots Type B enhanced guide rail			 2.5 slot width suitable for 2mm thick PCB boards; Used for cards with a height of 4.4" inches 4.4" board guide rail		
100	2	gray	RAL7044	-			1001116			-		
100	2	red	RAL3031	-			1001103			-		
160	2	gray	RAL7044	-			1001153			-		
160	2	green	RAL6018	-			1001154			-		
160	2	red	RAL3031	1001120			1001147			-		
160	2	gray	RAL7032	1001121			-			-		
160	2.5	red	RAL3031	-			-			1001289		
220	2	gray	RAL7044	1001104			1001119			-		
220	2	red	RAL3031	1001099			1001108			-		
220	2.5	red	RAL3031	-			-			1001290		
280	2	gray	RAL7032	1001123			-			-		
280	2	red	RAL3031	1001122			-			-		
Beam fixing screws M4*14				1004229			1004229			1004229		