CONNECT AND PROTECT

Interscale

nVent
SCHROFF

Electronics cases – Interscale

OVERVIEW

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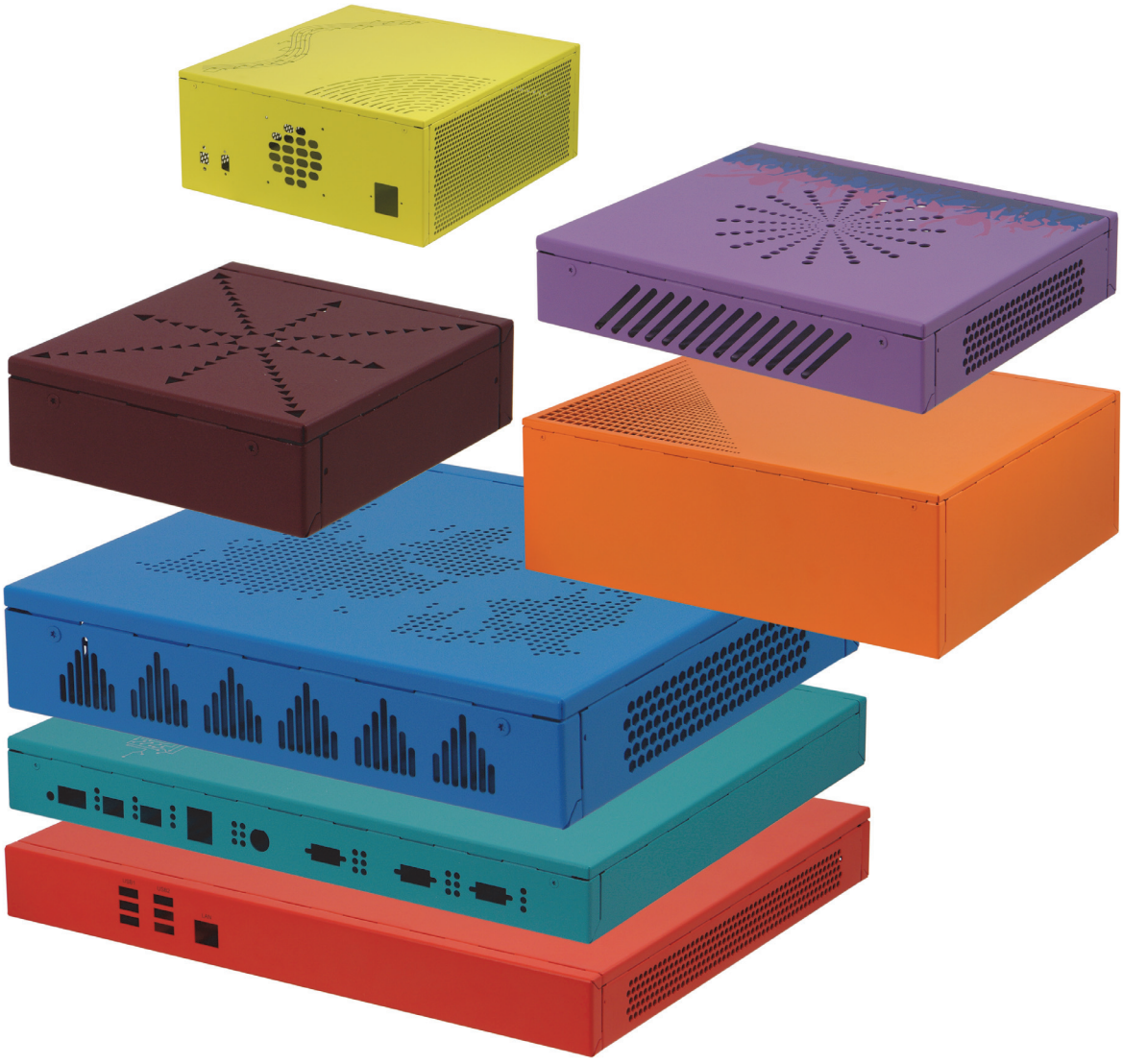


Electronics cases – Interscale

OVERVIEW

INTERSCALE M - BEST CASE SCENARIO
FLEXIBLE CASES FOR STANDARDIZED AND NON-STANDARDIZED PCBS

- The innovative case design inspires and supports you in realizing your ideas - from initial prototypes to series production.
- The intelligent platform and extensive accessories let you create optimized case solutions quickly and easily and allows for flexible adaptation them flexibly to suit specific requirements. You have the option between making such adaptations yourself or with our support.
- In addition to its free scalability, Interscale M offers built-in EM protection and ease of mechanical processing.
- 3 service levels are available for Interscale M desktop cases and 19" cases:
  - Standard: 21 plain, 19 perforated case dimensions available from stock within 48 hours
  - Modified: Platform-based modification (color, printing and cut-outs) to standard case
  - Customized: Project-specific implementation of individual customer requirements

02613004

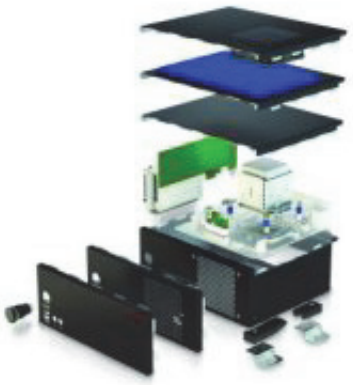
STANDARD CASE

- 21 case dimensions
  - height 44, 88, 133 mm (1, 2, 3 U)
  - width 133, 221, 310, 399 mm, 19"
  - depth 133, 177, 221, 310 mm
- Case with solid side panels or perforated side panels on both sides for forced cooling
- Color anthracite gray (RAL 7016)
- Suitable accessories for all standard sizes

02613001

MODIFIED CASES

- All 21 case dimensions can be individualized with defined modification options
- Flat-rate price for colors, cut-outs and printing
- Single quantity orders accepted, ready to ship within 5 working days



CUSTOMIZED CASES

- The size of the case can be modified to exact customer requirements
- Extended color palette available for case
- Unusual cut-outs and printing can be provided on front and rear
- Special accessories available up on request

Overview ... **5.120**

Interscale standard case
Desktop cases **5.123**
19" cases **5.122**

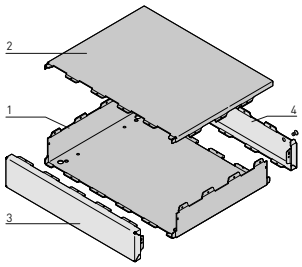
Accessories
Mounting plate with built-in fan holder and fans ... **5.123**
Fan holder with fans **5.124**
Mounting plate . **5.125**
PCB support for mounting plate ... **5.125**
Tip-up foot in plastic **5.132**
Stacking aid **5.133**
Plastic foot **5.131**
Mounting aid **5.132**
Adhesive base **5.132**
Clip for horizontal rail mounting **5.131**
Technical data of fans **5.123**

Small Form Factor Cases – Interscale

INTERSCALE PASSIVE OR CONVECTION COOLED

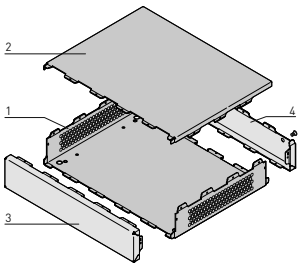
02613002

02613014



02613050

Plain case



02613051

Perforated case

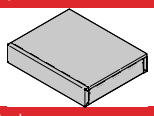
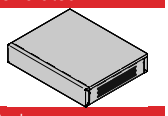
- Available plain or perforated for forced cooling with fans
- Modular case consisting of 4 easy to assemble parts
- Integrated EMC protection
- Ingress protection IP 30 (plain version)
- Color RAL 7016
- Small form factor or 19" rack mount
- Rigid construction only requires two screws
- Other dimensions, cutout shapes or locations, and screen printing available

DELIVERY INCLUDES (assembled)

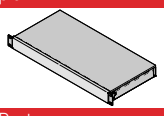
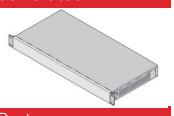
Item	Qty	Description
1	1	Base with 2 side panels (plain or perforated), St, 1 mm, AlZn coated, RAL 7016 (anthracite gray); 19"-angle, 1,5 mm St, AlZn coated, RAL 7016 (only on 19" version case)
2	1	Top cover, Al, 1 mm, RAL 7016
3	1	Front panel, Al, 1 mm, RAL 7016
4	1	Rear panel, Al, 1 mm, RAL 7016
5	1	User manual

ORDER INFORMATION

Desktop cases

Height		Width	Depth	Desktop case plain	Desktop case perforated
					
U	mm	mm	mm	Part no.	Part no.
1	43.65	132.55	132.55	**14820-133**	**–**
1	43.65	132.55	177.00	**14820-134**	**–**
1	43.65	221.45	177.00	**14820-154**	**14825-154**
1	43.65	221.45	221.45	**14820-155**	**14825-155**
1	43.65	310.35	221.45	**14820-175**	**14825-175**
1	43.65	399.25	221.45	**14820-195**	**14825-195**
1	43.65	399.25	310.35	**14820-197**	**14825-197**
2	88.10	221.45	177.00	**14820-254**	**14825-254**
2	88.10	221.45	221.45	**14820-255**	**14825-255**
2	88.10	310.35	221.45	**14820-275**	**14825-275**
2	88.10	399.25	221.45	**14820-295**	**14825-295**
2	88.10	399.25	310.35	**14820-297**	**14825-297**
3	132.55	310.35	221.45	**14820-375**	**14825-375**
3	132.55	399.25	221.45	**14820-395**	**14825-395**
3	132.55	399.25	310.35	**14820-397**	**14825-397**

19" cases

Height		Width	Depth	19" case plain	19" case perforated
					
U	mm	mm	mm	Part no.	Part no.
1	43.65	443.70	221.45	**14821-105**	**14826-105**
1	43.65	443.70	310.35	**14821-107**	**14826-107**
2	88.10	443.70	221.45	**14821-205**	**14826-205**
2	88.10	443.70	310.35	**14821-207**	**14826-207**
3	132.55	443.70	221.45	**14821-305**	**14826-305**
3	132.55	443.70	310.35	**14821-307**	**14826-307**

Accessories

Fan mount with fans, 80 mm height	**Page 5.126**	**Stacking aid**	**Page 5.133**
Clip for horizontal rail mounting	**Page 5.131**	**Rubber feet**	**Page 5.131**
Wall or Desktop mounting bracket	**Page 5.132**	**Plastic feet**	**Page 5.133**
Plastic tip-up feet	**Page 5.132**	**Assembly tool**	**Page 5.132**

Small Form Factor Cases – Interscale

MOUNTING PLATE WITH BUILT-IN FAN HOLDER AND FANS

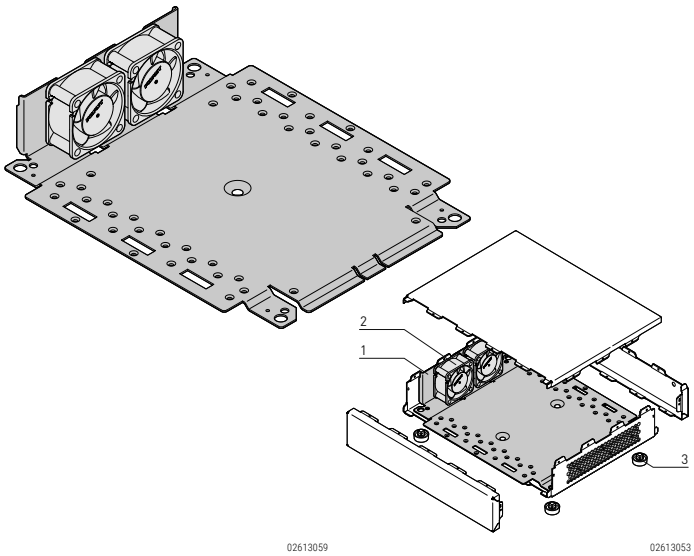


Illustration shows desktop case

- Mounting plate (raised 4 mm) with integrated fan holder including fan kit for perforated case versions
- Fans are simple to fit to the mounting plate using vibration-damping fixing material
- Mounting plate fixes into desktop case with 4 plastic feet or into 19" case with 4 screws

DELIVERY INCLUDES

Item	Qty	Description
1	1	Mounting plate with fan holder, St, 1 mm, AlZn coated
2		For fan size and quantity see Order Information
3a	4	Desktop cases: Plastic foot, PC, UL 94 V-0, black
3b	4	19" case (width 444 mm): Countersunk screw
4	1	Assembly kit and user manual

ORDER INFORMATION

	For case height		For case width	For case depth	Fan holder with fans					Part no.
					Height	Width	Depth	Fan dimensions	Number of fans	
	U	mm	mm	mm	mm	mm	mm	mm		
Desktop cases	1	44	221	177	41.15	214.95	173.00	40 x 40 x 20	2	**24827-154**
	1	44	221	221	41.15	214.95	217.45	40 x 40 x 20	3	**24827-155**
	1	44	310	221	41.15	303.85	217.45	40 x 40 x 20	3	**24827-175**
	1	44	399	221	41.15	392.75	217.45	40 x 40 x 20	3	**24827-195**
	1	44	399	310	41.15	392.75	306.35	40 x 40 x 20	5	**24827-197**
	2	88	221	177	85.60	214.95	173.00	80 x 80 x 25	1	**24827-254**
	2	88	221	221	85.60	214.95	217.45	80 x 80 x 25	1	**24827-255**
	2	88	310	221	85.60	303.85	217.45	80 x 80 x 25	1	**24827-275**
	2	88	399	221	85.60	392.75	217.45	80 x 80 x 25	1	**24827-295**
	2	88	399	310	85.60	392.75	306.35	80 x 80 x 25	2	**24827-297**
	3	133	310	221	130.05	303.85	217.45	119 x 119 x 25	1	**24827-375**
	3	133	399	221	130.05	392.75	217.45	119 x 119 x 25	1	**24827-395**
	3	133	399	310	130.05	392.75	306.35	119 x 119 x 25	2	**24827-397**
19" cases	1	44	444	221	41.15	437.20	217.45	40 x 40 x 20	3	**24827-105**
	1	44	444	310	41.15	437.20	306.35	40 x 40 x 20	5	**24827-107**

TECHNICAL DATA OF DC AXIAL FANS

Illustration shows fan with dimensions 119 x 119 x 25 mm

Fan dimensions	40 x 40 x 20 mm	80 x 80 x 25 mm	119 x 119 x 25 mm
Nominal voltage	12 VDC	12 VDC	12 VDC
Airflow volume	10 m^3/h	69 m^3/h	170 m^3/h
Noise level	18 dB(A)	32 dB(A)	43 dB(A)
Power consumption	0.9 W	2 W	5.3 W
Ambient temperature	- 20 ... +70 °C		
Terminal (AWG 28, TR 64, stripped and tin-plated)	Cable length 310 mm		
Approvals	VDE, CSA, UL		

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

Small Form Factor Cases – Interscale

FAN HOLDER WITH FANS

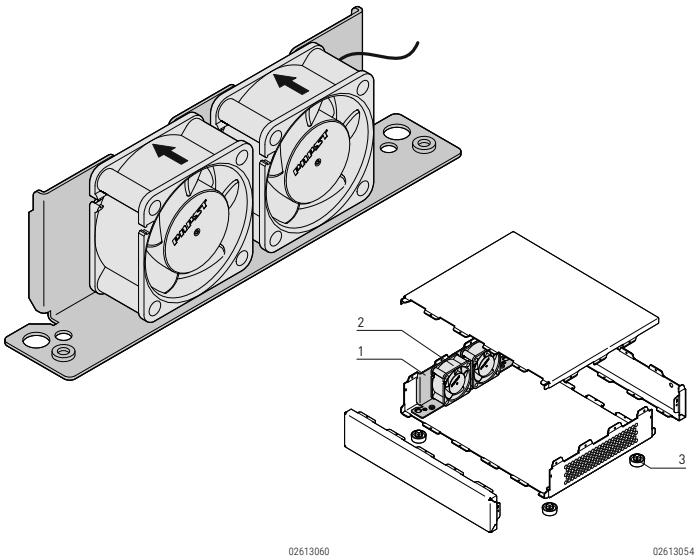


Illustration shows desktop case

- Fan holder for mounting on bottom of case
- Fans are simple to fit to the fan holder using vibration-damping fixing material
- Fan holders fix into desktop case with 2 plastic feet or into 19" case with 2 screws

DELIVERY INCLUDES

Item	Qty	Description
1	1	Fan holder with fan openings, St, 1 mm, AlZn coated
2		For fan size and number see Order Information
3a	4	Desktop cases: Plastic foot, PC, UL 94 V-0, black
3b	2	19" case (width 444 mm): Countersunk screw
4	1	Assembly kit and user manual

ORDER INFORMATION

	For case height		For case width	For case depth	Fan holder with fans					Part no.
					Height	Width	Depth	Fan dimensions	Number of fans	
	U	mm	mm	mm	mm	mm	mm	mm		
Desktop cases	1	44	221	177	41.15	28.50	145.00	40 x 40 x 20	2	**24828-104**
	1	44	221	221	41.15	28.50	189.45	40 x 40 x 20	3	**24828-105**
	1	44	310	221	41.15	28.50	189.45	40 x 40 x 20	3	**24828-105**
	1	44	399	221	41.15	28.50	189.45	40 x 40 x 20	3	**24828-105**
	1	44	399	310	41.15	28.50	278.35	40 x 40 x 20	5	**24828-107**
	2	88	221	177	85.60	31.00	145.00	80 x 80 x 25	1	**24828-204**
	2	88	221	221	85.60	31.00	189.45	80 x 80 x 25	1	**24828-205**
	2	88	310	221	85.60	31.00	189.45	80 x 80 x 25	1	**24828-205**
	2	88	399	221	85.60	31.00	189.45	80 x 80 x 25	1	**24828-205**
	2	88	399	310	85.60	31.00	278.35	80 x 80 x 25	2	**24828-207**
	3	133	310	221	130.05	31.00	189.45	119 x 119 x 25	1	**24828-305**
	3	133	399	221	130.05	31.00	189.45	119 x 119 x 25	1	**24828-305**
	3	133	399	310	130.05	31.00	278.35	119 x 119 x 25	2	**24828-307**
19" cases	2	88	444	221	85.60	31.00	189.45	80 x 80 x 25	1	**24828-205**
	2	88	444	310	85.60	31.00	278.35	80 x 80 x 25	2	**24828-207**
	3	133	444	221	130.05	31.00	189.45	119 x 119 x 25	1	**24828-305**
	3	133	444	310	130.05	31.00	278.35	119 x 119 x 25	2	**24828-307**

NOTE

- Fan holder cannot be used in conjunction with the mounting plate (instead use mounting plate with integrated fan holder)

TECHNICAL DATA OF DC AXIAL FANS

Illustration shows fan with dimensions 119 x 119 x 25 mm

Fan dimensions	40 x 40 x 20 mm	80 x 80 x 25 mm	119 x 119 x 25 mm
Nominal voltage	12 VDC	12 VDC	12 VDC
Airflow volume	10 m^3/h	69 m^3/h	170 m^3/h
Noise level	18 dB(A)	32 dB(A)	43 dB(A)
Power consumption	0.9 W	2 W	5.3 W
Ambient temperature	- 20 ... +70 °C		
Terminal (AWG 28, TR 64, stripped and tin-plated)	Cable length 310 mm		
Approvals	VDE, CSA, UL		

Small Form Factor Cases – Interscale

MOUNTING PLATE

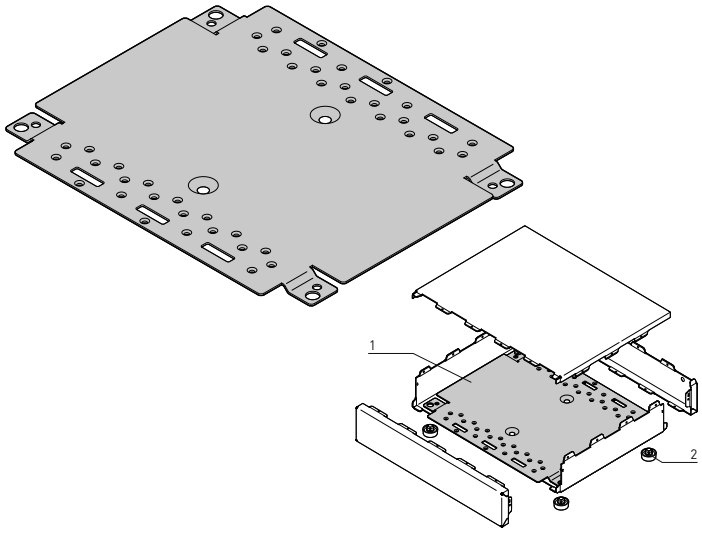


Illustration shows desktop case

- Mounting plate (raised 4 mm) for mounting individual components
- Mounting plate fixes into desktop case with 4 plastic feet or into 19" case with 4 screws

DELIVERY INCLUDES

Item	Qty	Description
1	1	Mounting plate, St, 1 mm, AlZn coated
2a	4	Desktop cases: Plastic foot, PC, UL 94 V-0, black
2b	4	19" case (width 444 mm): Countersunk screw
3	1	Assembly kit and user manual

ORDER INFORMATION

For case width	For case depth			Part no.
mm	mm	mm	mm	
133	133	124.33	128.55	**24822-033**
133	177	124.33	173.00	**24822-034**
221	177	213.23	173.00	**24822-054**
221	221	213.23	217.45	**24822-055**
310	221	302.13	217.45	**24822-075**
399	221	391.03	217.45	**24822-095**
399	310	391.03	306.35	**24822-097**
444	221	435.48	217.45	**24822-005**
444	310	435.48	306.35	**24822-007**

PCB SUPPORT FOR MOUNTING PLATE

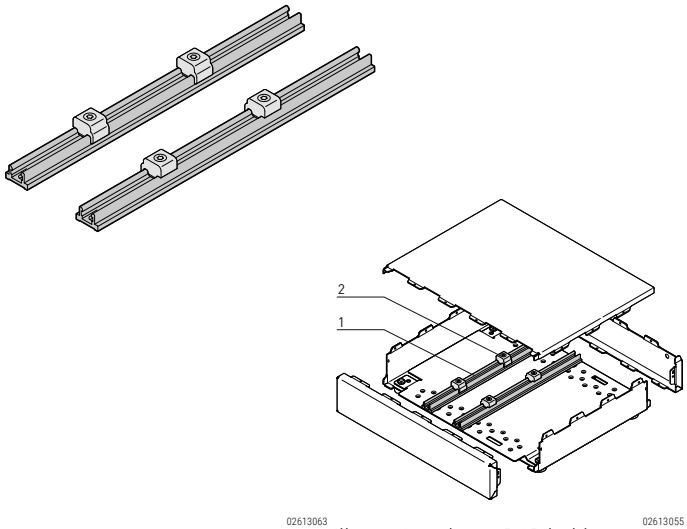


Illustration shows PCB holder mounted on the mounting plate

- Board support is bolted onto mounting plate
- PCB (board thickness 1.4 ... 2.6 mm) can be positioned flexibly

DELIVERY INCLUDES

Item	Qty	Description
1	2	PCB fastening, Al extrusion, clear aodized, width 13.5 mm, height 8.7 mm, for length see Order Information
2	4	PCB support, Al diecast, clear aodized, for board thickness from 1.4 ... 2.6 mm
3	1	Assembly kit and user manual

ORDER INFORMATION

For case depth	PCB support for mounting plate Length	Part no.
mm	mm	
133	128.55	**24827-023**
177	173.00	**24827-024**
221	217.45	**24827-025**
310	306.35	**24827-027**

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

FAN MOUNT WITH FANS, 80 MM HEIGHT

02617001

1 fan

02617002

2 fans

- Fan mount for installation in the Interscale

DELIVERY INCLUDES (assembled)

Item	Qty.	Description
1a	1	Fan mount (1 fan), height 83 mm, width 83 mm
1b	1	Fan mount (2 fans), height 83 mm, width 165 mm
2a	1	Fan, 80 mm height, 80 mm width, 25.4 mm depth
2b	2	Fan, 80 mm height, 80 mm width, 25.4 mm depth
3	1	Mounting material 4 x M3x6 countersunk screw
4	1	Fan attachment (with cord)

ORDER INFORMATION

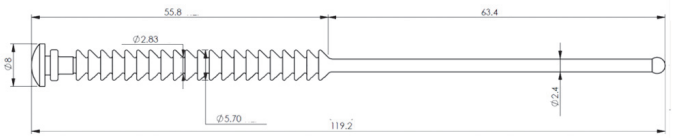
Description	Qty/PU piece	Qty	Part no.
1 fan	1	PU 1 kit	**24830-101**
2 fans	1	PU 1 kit	**24830-102**

TECHNICAL DATA of one fan

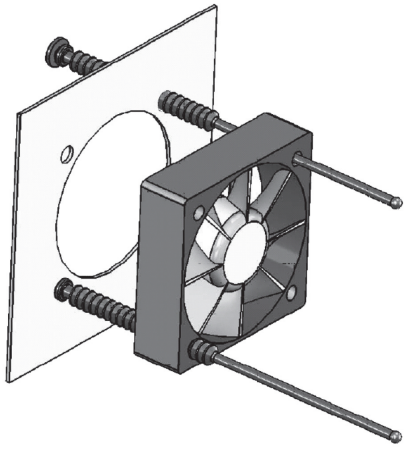
Voltage [VDC]	12
Dimensions H x W x D (mm)	80 x 80 x 25.4
Air capacity (free blowing) [m^3/h]	109.44
Noise level [dB (A)]	44.62
Max. stat. pressure [Pa]	95.41
Max. ambient temperatures [°C]	70

FAN MOUNTING (SPARE PART)

02621001



12421051



12421050

- Fan mounting for vibration-damping mounting of fans in housing

LIEFERUMFANG

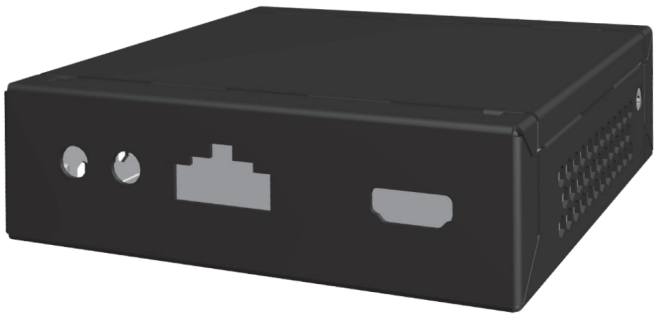
Pos.	Menge	Beschreibung
1	100	Fan fastening with rubber dowel, length 119.2 mm

BESTELLINFORMATIONEN

Beschreibung	Bestell-Nr.
Fan mounting	**20713-979**

Small Form Factor Cases – Interscale

INTERSCALEFOR EMBEDDED NUC



02615019

- Perforated side panels for passive cooling (convection)
- Compliant with the SDT.03 embeddedNUC standard http://www.sget.org/standards.html
- Modular case consisting of 3 easy to assemble parts; body, top cover and front panel
- Rigid construction requires only two screws
- Board mounting studs installed
- Integrated EMC protection
- Color RAL 7016
- Max. heat dissipation without fan about 8 Watt
- Cutouts specific for IES (http://en.ies.de/) MB95 embedded NUC board
- Other dimensions, cutout shapes or locations and screen printing available

DELIVERY INCLUDES (assembled)

Item	Qty	Description
1	1	Base with 2 side panels (perforated) and rear panel, Al, 1 mm, RAL 7016 (anthracite gray)
2	1	Top cover, Al, 1 mm, RAL 7016
3	1	Front panel, Al, 1 mm, RAL 7016
4	4	Pre-installed studs with M2.5 Torx T8 screws for board mounting
5	1	User manual

ORDER INFORMATION

Height mm	Width mm	Depth mm	Part no.
34.00	112.00	106.50	14820-701
Accessories			
Horizontal rail mounting bracket			**Page 5.131**
Wall or Desktop mounting bracket			**Page 5.132**
Rubber feet			**Page 5.131**
Assembly tool			**Page 5.132**
Screwdriver			**Page 5.133**

NOTE

- Only the listed Interscale accessories are compatible

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

Small Form Factor Cases – Interscale

INTERSCALE FOR EMBEDDED NUC, CONDUCTION COOLED

02615021

Application: Case with connectors

02615009

Application: Case with connectors

- Integrated heat sink on top cover with 5 mm heat fins
- Compliant with the SDT.03 embeddedNUC standard http://www.sget.org/standards.html
- Modular case consisting of 3 easy to assemble parts; body, top cover and front panel
- Rigid construction requires only two screws
- Board mounting studs installed
- Integrated EMC protection
- Color RAL 7016
- Cutouts specific for IES (http://en.ies.de/) MB95 embedded NUC board
- Other dimensions, cutout shapes or locations, and screen printing available

DELIVERY INCLUDES (assembled)

Item	Qty	Description
1	1	Base with 2 side panels and rear panel, Al, 1 mm, RAL 7016 (anthracite gray)
2	1	Top cover with integrated heat sink, Al, 1 mm, RAL 7016
3	1	Front panel, Al, 1 mm, RAL 7016
4	4	Pre-installed M2.5 studs with Torx T8 screws for board mounting
5	1	User manual

ORDER INFORMATION

Height mm	Width mm	Depth mm	Part no.
43.65	112.00	106.50	14830-002

Accessories	
Flexible Heat Conductor (FHC), 20 mm	**Page 5.130**
Aesthetic Design Elements	**Page 5.127**
Rubber feet	**Page 5.131**
Assembly tool	**Page 5.132**
Screwdriver	**Page 5.133**

NOTE

- Only the listed Interscale accessories are compatible

Small Form Factor Cases – Interscale

INTERSCALE FOR MINI-ITX, CONDUCTION COOLED

02615011

Application: Case with connectors

02615010

Application: Case with connectors

- Integrated heat sink on top cover with 10 mm or 20 mm heat fins
- Modular case consisting of 3 easy to assemble parts; body, top cover and front panel
- Rigid construction requires only four screws
- Board mounting studs installed
- Integrated EMC protection
- Color RAL 7016
- Cutout for Mini ITX I/O panel, power connector (Phoenix Contact, 0710028) and power switch (Schurter, MCS 18 Front)
- Other dimensions, cutout shapes or locations, and screen printing available

DELIVERY INCLUDES (assembled)

Item	Qty	Description
1	1	Base with 2 side panels and rear panel, Al, 1 mm, RAL 7016 (anthracite gray)
2	1	Top cover with integrated heat sink, Al, 1 mm, RAL 7016
3	1	Front panel, Al, 1 mm, RAL 7016
4	4	Pre-installed M2.5 studs with Torx T8 screws for board mounting
5	1	User manual

ORDER INFORMATION

Height mm	Width mm	Depth mm	With 10 mm fins Part no.	**With 20 mm fins** Part no.
94.00	184.00	189.00	14830-005	**14830-006**
Accessories				
Flexible Heat Conductor (FHC), 70 mm				**Page 5.130**
Aesthetic Design Elements				**Page 5.127**
Horizontal rail mounting bracket				**Page 5.131**
Wall or Desktop mounting bracket				**Page 5.132**
Plastic tip-up feet				**Page 5.132**
Rubber feet				**Page 5.131**
Assembly tool				**Page 5.132**
Screwdriver				**Page 5.133**

NOTE

- Only the listed Interscale accessories are compatible

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

Small Form Factor Cases – Interscale

FLEXIBLE HEAT CONDUCTOR (FHC), 20 MM

02615016

- Patent pending conduction cooling solution for small form factor electronics
- Conductor block expands/contracts vertically to compensate for tolerance stack up and optimizes surface contact and pressure along the thermal path; eliminates the need for a thermal gap pad
- Provides industry leading conduction cooling performance, 10 % improvement over current conduction cooling methods
- Designed for Intel, AMD, Via, Freescale, NVidia and Texas Instrument processors that employ a BGA socket
- Secured to PCB with thermally conductive adhesive tape
- Compatible with Interscale C enclosures

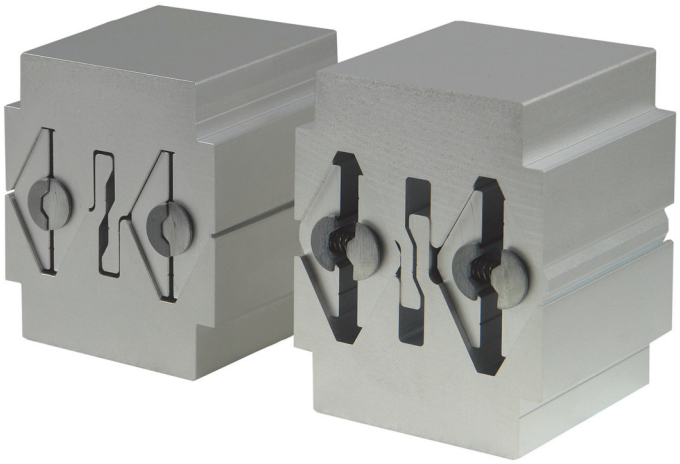
DELIVERY INCLUDES (assembled)

Item	Qty	Description
1	1	Flexible heat conductor, assembled; thermal grease included
2	1	Adhesive tape, thermally conductive

ORDER INFORMATION

Height	Width mm	Depth mm	Part no.
19.75 ± 1.5 mm	22	22	24830-005

FLEXIBLE HEAT CONDUCTOR (FHC), 70 MM



02615017

- Patent pending conduction cooling solution for small form factor electronics
- Conductor block expands/contracts vertically to compensate for tolerance stack up, and optimizes surface contact and pressure along the thermal path; eliminates the need for a thermal gap pad
- Provides industry leading conduction cooling performance, 70 % improvement over current conduction cooling methods
- Designed for ATX/ITX/Mini ITX & COM using Intel core-i processors and AMD processors with the following sockets: Intel: LGA775, LGA1150, LGA1155, LGA1156, LGA1366, LGA2011
  AMD: AM2, AM2(+), AM3, AM3(+), FM1, FM2, FM2(+)
- Secured to PCB with mounting brackets, sold seperately
- Compatible with Interscale C enclosures

Item	Qty	Description
1	1	Flexible heat conductor, assembled; thermal grease included
2	1	Frame, Al

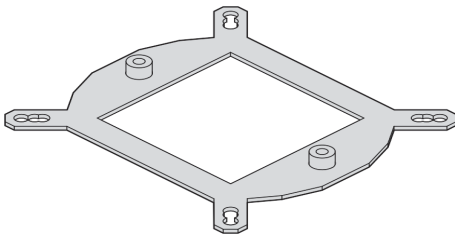
ORDER INFORMATION

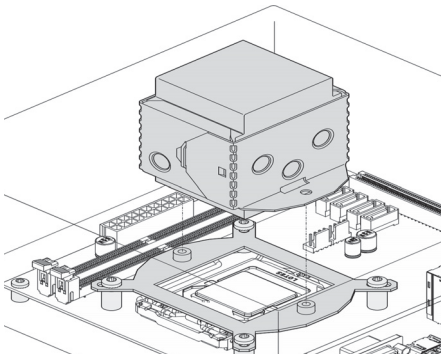
Height	Width mm	Depth mm	Part no.
68.50 ± 2.5 mm	50	50	24830-001
Accessories			
Intel mounting brackets for 70 mm FHC			24830-002
AMD mounting brackets for 70 mm FHC			24830-003

NOTE

- Please order the mounting bracket (Intel or AMD, listed under accessories) to assemble the FHC to the board

MOUNTING BRACKETS FOR 70 MM FHC





02615053 02615054

Bracket for Intel

Application: Intel mounting bracket

- Designed to secure the 70 mm Flexible Heat Conductor to PCB
- Utilizes keep out zones to not interfere with other board components
- Designed for ATX/ITX/Mini ITX & COM using Intel core-i processors and AMD processors with the following sockets: Intel: LGA775, LGA1150, LGA1155, LGA1156, LGA1366, LGA2011
  AMD: AM2, AM2(+), AM3, AM3(+), FM1, FM2, FM2(+)

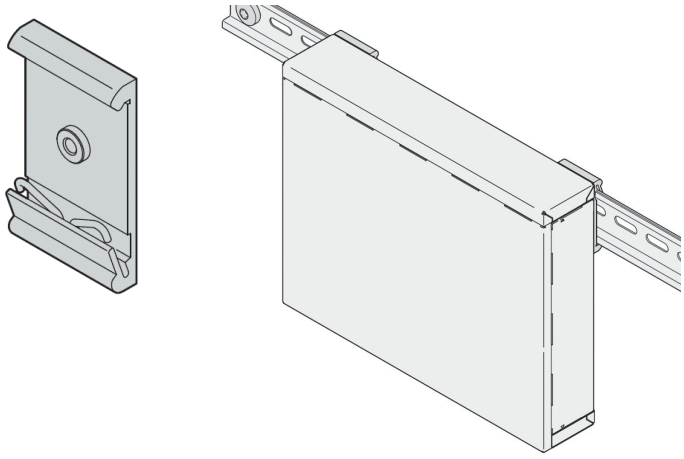
DELIVERY INCLUDES (assembled)

Item	Qty	Description
1	1	Mounting bracket with associated hardware

ORDER INFORMATION

Description	Part no.
Intel mounting brackets for 70 mm FHC	24830-002
AMD mounting brackets for 70 mm FHC	24830-003

CLIP FOR HORIZONTAL RAIL MOUNTING



02613069 02613070

Example: Clip for horizontal rail mounted on case

- The clip can be used to fix the case to a horizontal rail
- The clip is bolted to the case instead of the feet and can then be fitted onto the rail

DELIVERY INCLUDES

Item	Qty	Description
1	2	Clip, Al profile, clear anodized, width 30 mm, 52 mm, snap mounting for 35 mm DIN rails EN 50022; M4 self-clinching nut
2	2	Screw, T20, M4 x 6
3	1	User manual

ORDER INFORMATION

Description	Qty/PU piece	Part no.
Clip for horizontal rail mounting	2	**24820-002**

NOTE

- Not compatible with embedded NUC cases or Interscale 19" cases

RUBBER FEET

02615020

- Toolless installation; secures via adhesive
- Compatible with all Interscale cases

DELIVERY INCLUDES (assembled)

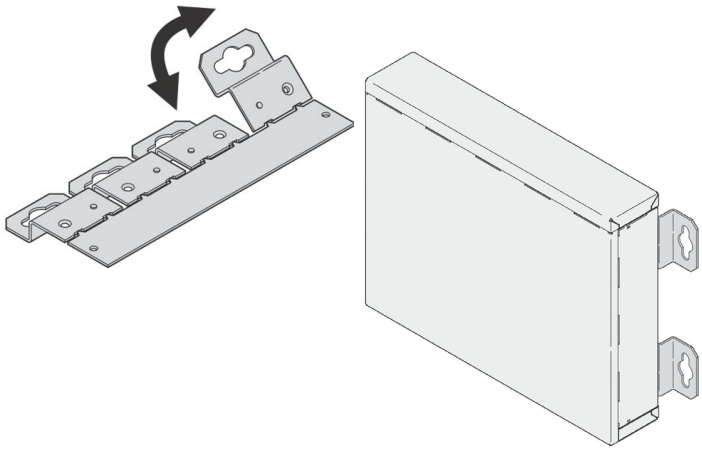
Item	Qty	Description
1	4	Rubber feet, height 2.2 mm, Ø 7.9 mm

ORDER INFORMATION

Description	Part no.
Rubber feet	21102-025

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

WALL OR DESKTOP MOUNTING BRACKET



Example: Mounting bracket mounted on the case

- Bracket for wall or desktop mounting
- Provides 14 mm clearance from mounting surface for cable management
- Able to assemble / disassemble case while mounted

DELIVERY INCLUDES

Item	Qty	Description
1	4	Mounting bracket, St, 1.5 mm, finish AlZn

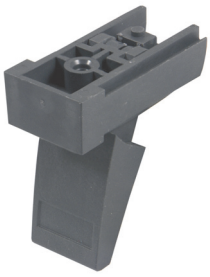
ORDER INFORMATION

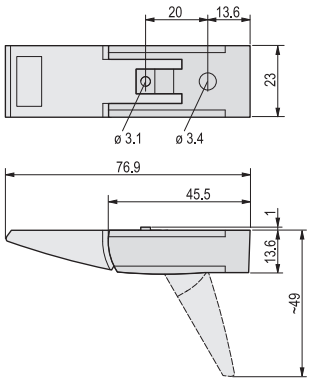
Description	Qty/PU piece	Part no.
Wall or Desktop mounting bracket	4	**24820-005**

NOTE

- Not compatible with embedded NUC cases or Interscale 19" cases

PLASTIC TIP-UP FEET





Application example

- Can be used instead of standard feet
- Carrying capacity: 25 kg per foot
- Mounting holes in bottom of casing

DELIVERY INCLUDES (kit)

Item	Qty	Description
1	4	Foot, PA, UL 94 V-0
2	4	Anti-slip protection, TPE
3	2	Tip-up device, PA, UL 94 V-0
4	1	Assembly kit

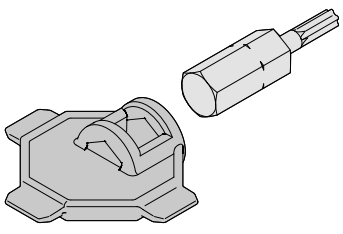
ORDER INFORMATION

Description	Qty/PU piece	Part no.
Tip-up feet, anthracite, similar to RAL 7016	4	**20603-002**

NOTE

- Not compatible with embedded NUC cases or Interscale 19" cases

ASSEMBLY TOOL



- Plastic tool with bit can be used for bolting together and opening the case
- Compatible with all Interscale M and C enclosures

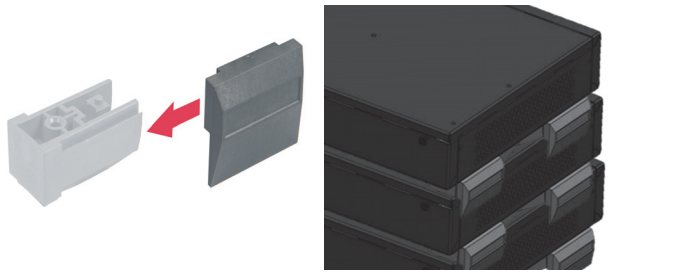
DELIVERY INCLUDES

Item	Qty	Description
1	1	Assembly tool (plastic)
2	1	Bit, Torx, T10

ORDER INFORMATION

Description	Part no.
Assembly tool	**24820-001**

STACKING AID



Application example Interscale

- Stacking aid is clipped onto tip-up feet (please order tip-up feet separately)

DELIVERY INCLUDES (kit)

Item	Qty	Description
1	4	Stacking aid, PA ,UL 94 V-0

ORDER INFORMATION

Description	Qty/PU piece	Part no.
Stacking aid, anthracite, similar to RAL 7016	4	**20603-003**
Accessories		
Plastic tip-up feet anthracite, similar to RAL 7016, 4 pieces		**20603-002**

NOTE

- A plastic tip-up feet are required for mounting, please order separately
- Not compatible with Interscale 19" cases, Interscale for embedded NUC cases or Interscale conduction cooled cases

PLASTIC FEET

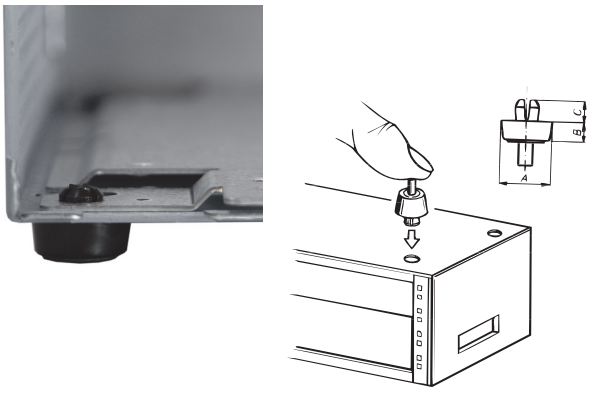


Illustration shows mounting of feet

Dimensions A mm	B mm	C mm	Hole diameter mm
16	7.2	4	7

- Plastic feet with rubberized base
- Toolless installation; fixed by pressing in the expanding pin

DELIVERY INCLUDES

Item	Qty	Description
1	1	Plastic foot, PC, UL 94 V-0, black, with anti-slip protection

ORDER INFORMATION

Description	Qty	Part no.
Plastic feet	SPQ 50 [1]	**60224-009**
Plastic feet	PU 4 [2]	**24820-004**

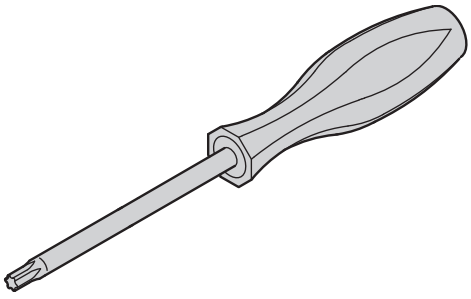
1) SPQ (standard pack quantity): Part number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ);
please order at least the SPQ quantity or a multiple

2) PU - Part no. includes one packing unit (PU); delivery is exclusively made in PU

NOTE

- Not compatible with Interscale 19" cases, Interscale for embedded NUC cases or Interscale conduction cooled cases

SCREWDRIVER



- Used for securing PCBs to studs
- Compatible with all Interscale M and Interscale C enclosures

ORDER INFORMATION

Description	Part no.
Torx screwdriver, M2.5, T 8 Torx	**64560-026**

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

North America

Warwick, RI, USA
Tel +1.401.738.1722
San Diego, CA, USA
Tel +1.858.740.2400

Europe, Middle East & India

Straubenhardt, Germany
Tel +49 7082 794 0
Betschdorf, France
Tel +33 3 88 90 64 90
Warsaw, Poland
Tel +48 22 209 98 35
Hemel Hempstead, Great Britain
Tel +44 1442 24 04 71
Lainate, Italy
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