Housings

InterMeZo Housing

√ Design front
√ Functional front
√ Variable in three dimensions
√ Can be RFI-shielded
√ Mechanical protection up to IP 54

InterCase Desktop Housing

√ Easy construction
√ Service friendly
√ Variable dimensions
√ Can be RFI-shielded

InterLock Housing
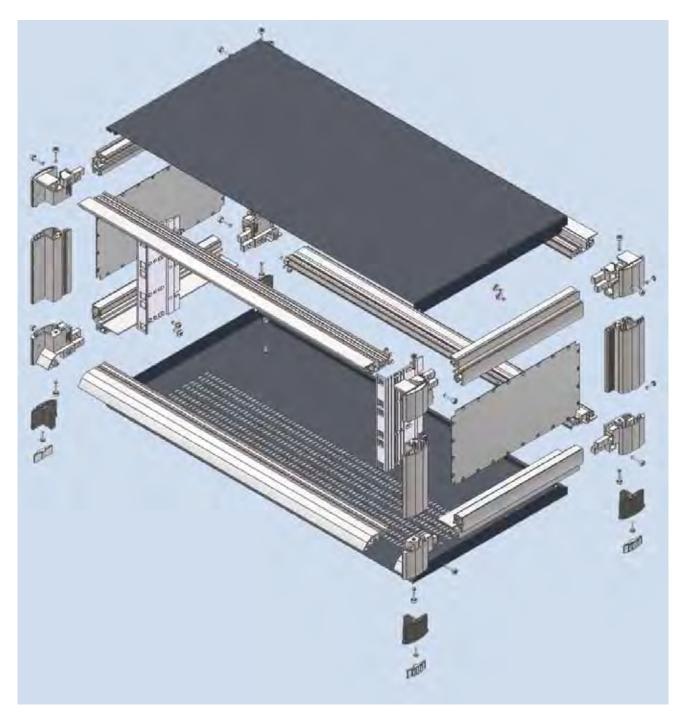
√ Covering of subracks
√ Easy mounting without screws

DiVar Housing

√ 19" rack mounted for customized housing
√ Unrestricted configuration and installation
√ Cover plates removable

InterMeZo Housing

Requirements

A modern housing flexible in its applications, with a modular design, can be RFI-shielded and ventilated, in an attractive design and at a reasonable price: InterMeZo

Construction

1. Housing frame

The InterMeZo housing is based on a framework construction consisting of profiles and corner connectors. This flexible design also enables fast and cost-effective assembly of individual housing sizes

2. Easy to access

For quick access to the installed electronics the cover plates are pressed into profiled grooves and secured with two screws.

3. RFI shielding

The side walls are pressed into profile grooves; contact elements ensure RFI-shielded bonding.

To achieve effective protection of the housing against dust and water the cover panels, the rear wall and the door can all be fitted with seals.

4. Mechanical sealing
To achieve effective protection of the housing against dust and water the cover panels, the rear wall and the door can all be fitted with seals.

5. Recessed grips
Grips for easy transportation are formed by the recessed mounting of the side walls.

6. Equipment supports
Subracks can be installed variably as the housing depth permits.

7. Chassis panels
The depth profiles are provided with grooves in which chassis panels or similar can be fitted at any depth with the aid of spring nuts.

Summary

The InterMeZo housing from Intermas is a modular and cost-effective housing solution for high-quality industrial electronics in a visually attractive design, developed for the highest possible flexibility and simplest possible assembly, with expansion capabilities for more demanding needs, compliant with stringent EMI/ESD protection specifications, and with extensive configuration options to fulfil application-specific requirements.

Technical data

Materials	casing: aluminum profiles corner connectors: die-cast zinc feet: ABS other parts: 0.8 mm galvanized sheet steel

Finish	standard for rear wall and cover panels:
	  painted dark gray (RAL DS 5500)
	standard for casing and side walls:
	  painted light gray (RAL DS 7000)
	feet: dark gray

Versions

The *InterMeZo housings* are available to assembly 19"- or metric subracks. Alternatively, any dimensions for variable applications are possible.
For all versions the possibility exists to choose between the following types.

1. Design front
This version has been constructed in terms of a harmonic front design for use with a wide range of applications.
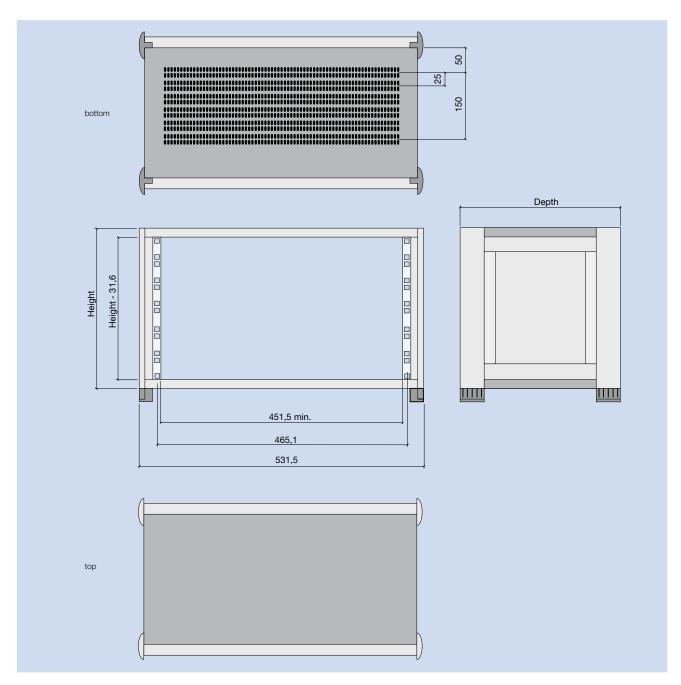

2. Functional front
For higher protection against dust and water as well as EMC shielding.

InterMeZo Housing
Configuration

Height 120 - 700 mm in mm increments

Depth 140 - 600 mm in mm increments

Width 120 - 600 mm in mm increments

Configuration *InterMeZo* Housing

Housing	pieces _____

Dimension	height: ❑ 3 U ❑ 6 U width: ❑ 84 HP ❑ 42 HP depth: ❑ 300 mm ❑ 400 mm ❑ 500 mm ❑ other: height: ____ U or _____ mm width: ____ HP or _____ mm depth: _____ mm

Design	❑ design front ❑ front ❑ rear ❑ functional front ❑ front ❑ rear

Color casing, side wall	❑ RAL DS 7000 ❑ RAL_____

Color rear wall, panels	❑ RAL DS 5500 ❑ RAL_____

Louvers in	❑ bottom panel ❑ top panel ❑ rear panel

Front	❑ Casing door ❑ Plexiglass door ❑ Front panel ❑ anodized ❑ RAL _____
19" unit support	❑ front ❑ rear
Protection class	❑ IP _____
RFI-shielding	❑
Accessories	❑ Rear panel ❑ Wheels ❑ Carry handles ❑ Side bars ❑ Subplate ❑ Mounting material for subrack and front panels kit_____ pieces
Notes	

Please ask your local representative for your
individual system configuration.
You find your contact person on our homepage:
www.intermas-el.com

This catalog contains stock and standard parts. Other products and sizes on request.

Ordering details for assembled *InterMeZo* housings

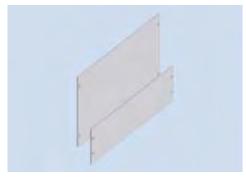| nom. height [U]	height [mm]	width [mm]	depth [mm]	design-front order no. 409.	functional-front order no. 409.
3	165.60	531.50	300	166 208	-
3	165.60	531.50	400	166 209	166 217
4	210.05	531.50	400	166 210	-
6	298.95	531.50	400	166 211	166 218
6	298.95	531.50	500	166 212	-
7	343.40	531.50	400	166 213	-
9	432.30	531.50	400	166 214	166 219
9	432.30	531.50	500	166 215	-
12	565.65	531.50	500	166 216	166 220

Delivery:
Housing frame with side panels,
top closed,
bottom panel with louvers
4 feet,
2 unit supports

Delivery:
The housing is delivered assembled and painted.

InterMeZo Housing Accessories

19" Front Panels

Material: aluminum 3 mm thick
Finish: anodized

Ordering details for 19" front panels

nom. height [U]	order no. 409.
3	086 513
4	086 514
6	086 516
7	086 517
9	086 519
12	086 522

19" Casing Door

Kit consists of:
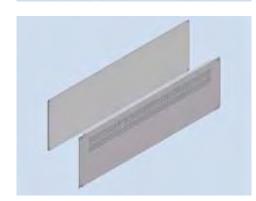1 casing door with plexiglass pane
1 lock
2 hinges
Installation hardware

Delivery:
As complete assembled casing door.

Ordering details for 19" casing door

nom. height [U]	order no. 409.
3	110 452
4	110 453
6	110 454
7	110 455
9	110 456
12	110 457

Rear Panel, closed

Material:
aluminum 2.5 mm thick

Finish:
front side anodized,
rear side conductive

Rear Panel with Louvers

Material:
steel 0.8 mm thick

Finish:
front side RAL DS 5500,
rear side conductive

Ordering details rear panel

nom. height [U]	closed order no. 409.	with louvers order no. 409.
3	109 984	111 556
4	109 985	111 557
6	109 986	111 559
7	109 987	111 560
9	109 988	111 561
12	110 392	111 562

Accessories

Taptite screw M4x10

Minimum order quantity 100 pieces

order-no.: 409. 110 395

Slide Bars

Kit consists of:
2 slide bars
Installation hardware

Material:
1.5 mm galvanized
sheet steel

Finish:
colorless chromated

Ordering details kit

	for housing-depth [mm]	order no. 409.
slide bar	300	111 285
slide bar	400	111 286
slide bar	500	111 287

This catalog contains stock and standard parts. Other products and sizes on request.

RFI-Shielding

Material: stainless steel

Ordering details
RFI-shielding-kit
for rear/front panel

nom. height [U]	order no. 409.
3	110 360
6	110 361
9	110 366
12	110 367

Ordering details
RFI-shielding-kit
for cover plates

depth [mm]	order no. 409.
300	110 368
400	110 370
500	110 372

Unit Support
Kit consists of:
2 unit supports and
Installation hardware

Ordering details for
unit support kit

nom. height [U]	order no. 409.
3	110 375
4	110 376
6	110 378
7	110 379
9	110 381
12	110 382

Mounting material for subracks and front panels in housing

Screw Locking M6
Color: black
Material: POM
Minimum order quantity 10 pieces
order no.: **409. 074 387**

Oval Head Screw
M6 x 16 DIN 7985
steel, nickel plated
Minimum order quantity 10 pieces
order no.: **409. 013 919**

Cage Nut

steel, galvanized
Minimum order quantity 10 pieces
order no.: **409. 131 652**

Castors
Kit consists of:
2 mounting angles
4 castors
Installation hardware

Ordering details for castor kit

	housing-depth [mm]	order no. 409.
castors 300	300	112 092
castors 400	400	112 093
castors 500	500	112 094

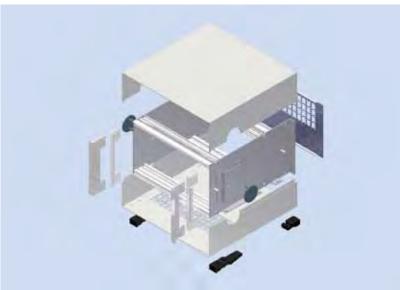Castors are not retrofit.
Please order with housing.

Carry Handles
Kit consists of:
2 handles
Installation hardware

Color: RAL DS 7000

order no.: **409. 112 507**

This catalog contains stock and standard parts. Other products and sizes on request.

InterCase Desktop Housing

Description

The special design features of the *Inter-Case* desktop housing:

√   A desktop housing with a simple design for standardized plug-in units and individual assemblies.

√   The easy to access design allows all covering parts to be removed at any time.

√   The bottom cover and the rear panel are provided with louvers.

√   The side plates include perforations for attaching profile rails at different board depths.

√   The comprehensive range of Intermas subrack accessories allows individual configuration of the desktop housing.

√   Can be RFI-shielded.

Technical Data

Material	Aluminum feet: plastic
Finish	side plates: blank side panels and rear panel: painted feet: black

Delivery:

2 top/bottom panels
2 side plates
2 side panels
4 profile rails front/rear
1 profile rail rear middle
   (only for 6 U)
1 rear panel
2 covers
2 mounting angles
4 threaded strips
   (6 for 6 U)
1 foot kit
   (1 carrying handle)
Installation hardware

Ordering details *InterCase* desktop housing

nom. height [U]	width [HP]	nom. depth [mm]	total depth [mm]	order no. 409.	with carry-ing handle-order no. 409.
3	42	160	260	172 610	172 548
3	42	220	320	172 620	172 621
3	84	160	260	172 630	172 631
3	84	220	320	172 640	172 641
6	84	160	260	172 650	172 651
6	84	220	320	172 660	172 661

This catalog contains stock and standard parts. Other products and sizes on request.

Material: Polystyrene 6 mm thick
Color: black

Delivery:
The *InterLock* desktop housing is delivered in single parts.

Set consists of:
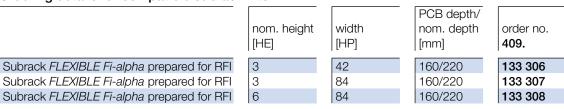1 top-shell
1 bottom-shell

Description

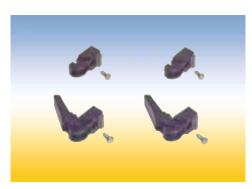The *InterLock* desktop housing has been designed to cover subracks. Also System-Module can be dressed up.

The special design features of the *InterLock* desktop housing:

√   The covering elements are formed from recyclable polystyrene plate-material warmly and the joints are welded together by means of a chlorine carbon solution coldly.

√   Material strength of 4 to 10 mm can be processed according to demand of the device.

√   Easy assembly or disassembly of the case shells. Both case shells are locked by a clamp groove without screws.

√   The case is upgradeable by feet and handles.

√   However, on account of an economic manufacturing technology special dimensions or special colors can be also already realised for small quantities at a reasonable price.

√   Extensive range of accessories is available.

Ordering details kit - *InterLock* desktop housing

nom. height [U]	width [HP]	nom. depth [mm]	order no. **409.**
3	42	220	**168 935**
3	84	220	**168 936**
6	84	220	**168 937**

Ordering details for compatible subrack kits

	nom. height [HE]	width [HP]	PCB depth/ nom. depth [mm]	order no. **409.**
Subrack *FLEXIBLE Fi-alpha* prepared for RFI	3	42	160/220	**133 306**
Subrack *FLEXIBLE Fi-alpha* prepared for RFI	3	84	160/220	**133 307**
Subrack *FLEXIBLE Fi-alpha* prepared for RFI	6	84	160/220	**133 308**

Accessories *InterLock*
Foot kit:
    2 feet without tip-up
    2 feet with tip-up
    4 lens head screws
    with nut

Material: Ultramid
Color: black

Foot kit

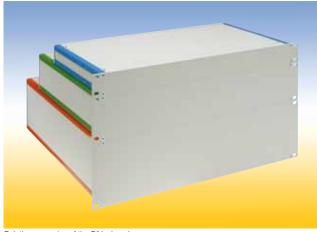| order-no.: **409. 133 305** |
|---|

Accessories other housings
Foot kit:
    2 feet without tip-up
    2 feet with tip-up
    4 self-tapping screws

Material: Ultramid
Color: black

Foot kit

order-no.: **409. 059 640**

This catalog contains stock and standard parts. Other products and sizes on request.

Housings

DiVar Housing

Painting examples of the DiVar housing

Technical Data
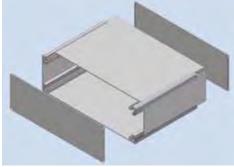
Material	aluminum
Finish	profiles: blank
	cover plates, front panel and side plates:
	front: anodized, rear: conductive

Delivery

The *DiVar* housing is delivered unassembled as individual parts or as a kit
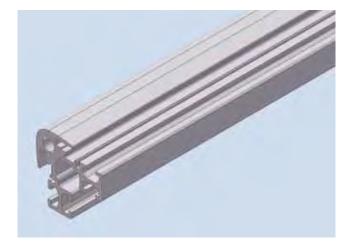

DiVar housing as individual housing

Description

The special design features of the *DiVar* housing:

√   It consists of profiles into which aluminum, sheet steel, stainless steel or plastic panels with a thickness of 1.5 to 2.5 mm are inserted and, if desired, secured with screws. A wall panel at the rear and a panel at the front are screwed to the profiles.

√   The flexible design allows variable configuration of the housing geometry in all three axes, this allowing adaptation of the housing to customer-specific requirements.

√   Different surfaces can be selected for an individual appearance.

√   The proven RFI contact spring concept ensures optimum RFI shielding.

√   Rails with threaded holes can be pressed into the profile grooves, for example to screw in PCBs or mounting plates.

√   The extensive range of Intermas accessories allows unrestricted configuration and installation of both standardized and non-standard components.

The housing can be supplied in 4 versions:

1. Customized housing
2. 19" rack mounted
3. Desktop housing with a keyboard area
4. Desktop housing with a continuous slanting surface

Multifunctional Profile *DiVar*

Material: aluminum
Finish: blank

Length: 1000 mm

order no.: **409. 121 808**

Accessories

RFI-spring F3
Length: 399.64 mm

order no.: 409. 111 774

This catalog contains stock and standard parts. Other products and sizes on request.
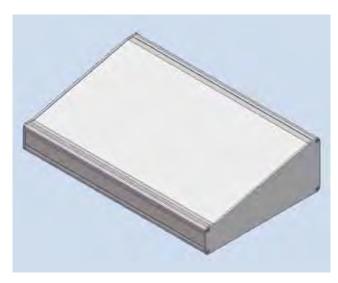
DiVar Housing as rack mounted version

Delivery
4 profiles
4 cover plates
1 19" front panel
1 rear panel
Assembly hardware

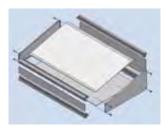**Ordering details**
DiVar housing as rack mounted version

nom. height [U]	width [HP]	depth [mm]	order no. 409.
1	84	250	122 356
2	84	350	122 357
3	84	450	122 358

DiVar Desktop Housing

Delivery
4 profiles
4 cover plates
2 side plates
Assembly hardware

Ordering details
DiVar desktop housing
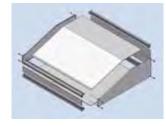
height [mm]	width [mm]	depth [mm]	order no. 409.
50/100	400	250	122 359

DiVar Desktop Housing with keyboard area

Delivery
4 profiles
4 cover plates
2 side plates
Assembly hardware

Ordering details
DiVar desktop housing with keyboard area

height [mm]	width [mm]	depth [mm]	order no. 409.
50/120	450	250/150	122 360

DiVar Housing Examples

DiVar housing as covered subrack 3 U - 84 HP - 160 mm depth

DiVar housing as covered cassette 3 U - 8 HP - 160 mm depth

DiVar housing for instrumentation

Please ask your local representative for your
individual configuration.
You find your contact person on our homepage:
www.intermas-el.com

This catalog contains stock and standard parts. Other products and sizes on request.