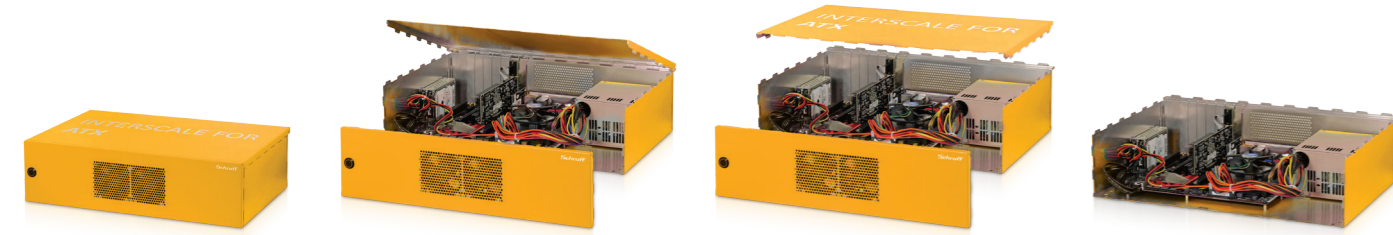# START NOW

AND CREATE YOUR OWN STANDARD

CASES

SCHROFF Interscale cases feature an interlocking tabbed construction to provide built-in EMC protection without the need of EMC gaskets. Secured with two or four screws, depending on the size, Interscale is easy to assemble or disassemble and provides quick access to the integrated electronics.
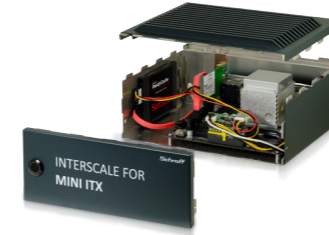
ADVANTAGES AND USES

✓ Individual, ridged and lightweight case design made of aluminum/sheet metal

✓ Custom case sizes and multiple heat sink and fin heights available

✓ Realize individual cut-out designs and locations or use our standard cut-out-library

✓ Aluminum front and rear for easy modification

✓ Shorter integration time thanks to easy plug-in mechanism and optimized accessories

✓ Modular off-the-shelf components offer price advantages

✓ Ideal for industrial applications
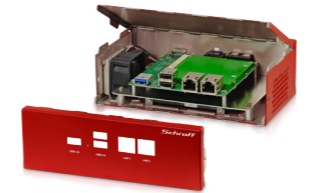

BE INSPIRED

BY OUR CONFIGURABLE SOLUTIONS

INTERSCALE FOR MINI-ITX

This solution is compliant with the Mini-ITX standard and has a front panel cut out for power switch, rear panel cut out to accept Mini-ITX I/O brackets supplied with Mini-ITX boards and power input for external power supply.
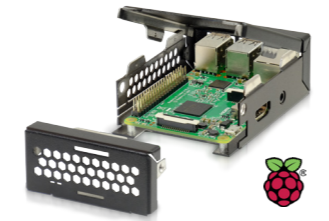
• Integrated EMC protection up to 20 db at 2 GHz

• Ingress protection up to IP 30

• Leading cooling performance through integrated heat sink, heat fins and compatibility with Flexible Heat Conductor (FHC)

• Modular case consisting of three parts requiring only four screws

INTERSCALE FOR EMBEDDED NUC™

This solution is compliant with the SDT.03 embedded NUC™ standard and has the respective cut-outs for IES MB 95 embedded NUC™ board.

• Integrated EMC protection up to 20 db at 2 GHz

• Ingress protection up to IP 30

• Integrated fan kit and perforation on the side of the case for active cooling from left to right

• Modular case consisting of three parts requiring only two screws

INTERSCALE FOR RASPBERRY PI

This specially designed SCHROFF case is compliant with the Raspberry Pi 3 and Pi 2 model B

• Integrated EMC protection up to 20 db at 2 GHz

• Ingress protection up to IP 30

• Less than 15 % attentuation of bluetooth and wifi-signals

• Modular case consisting of three parts requiring only two screws

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North America
All locations
Tel: +1.800.525.4682

Europe
Betschdorf, France
Tel: +33.3.88.90.64.90

Straubenhardt, Germany
Tel: +49.7082.794.0

Dzierzoniow, Poland
Tel: +48.74.64.63.900

Assago, Italy
Tel: +39.02.5776151.224

Middle East & India
Dubai, United Arab Emirates
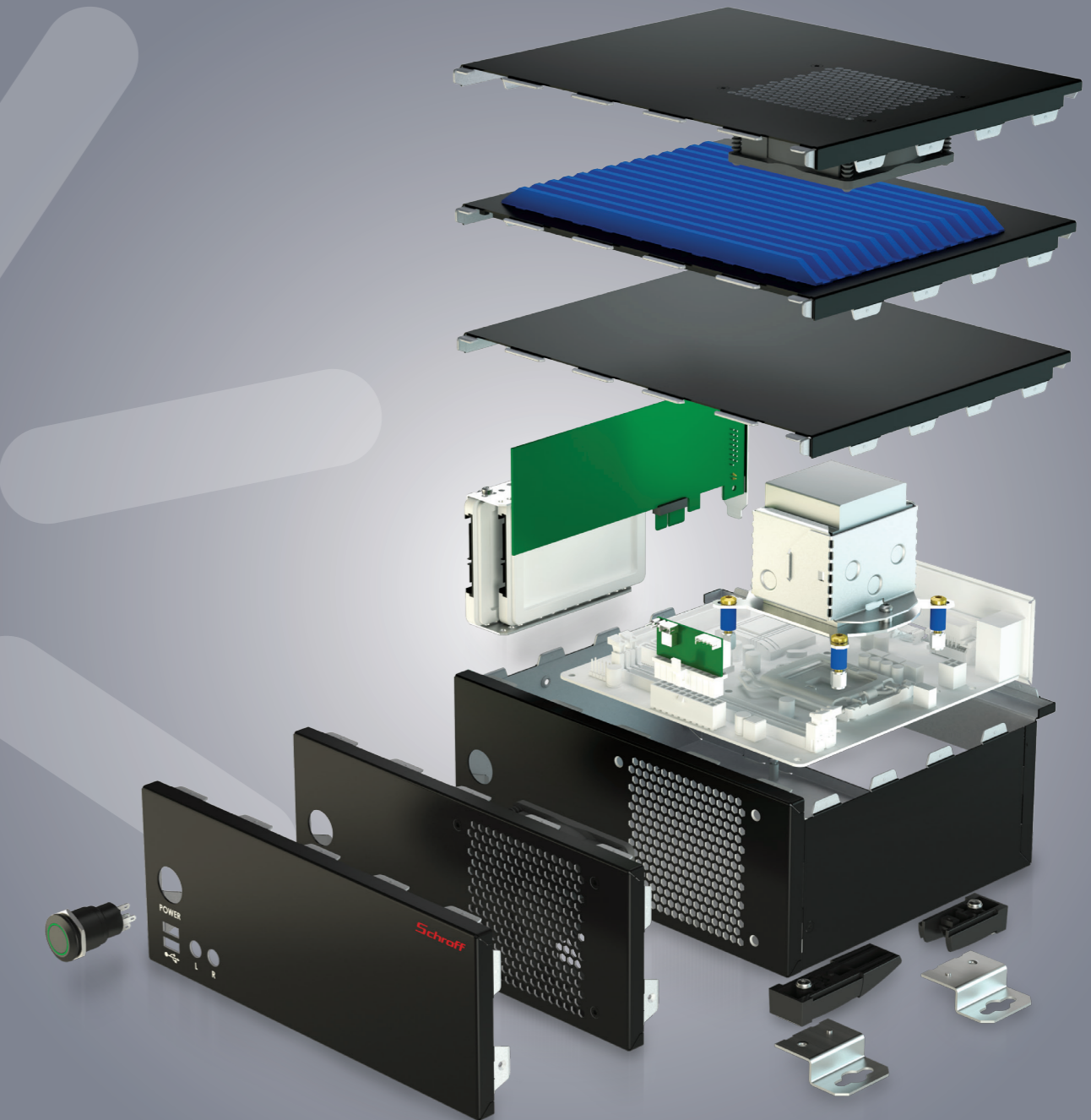Tel: +971.4.378.1700

Bangalore, India
Tel: +91.80.6715.2001

Asia
Shanghai, P.R. China
Tel: +86.21.2412.6943

Singapore
Tel: +65.6768.5800

Shin-Yokohama, Japan
Tel: +81.45.476.0271

Qingdao
Tel: +86.532.8771.6101

ADDITIONAL SERVICES

• Integration and individual testing services available, for a plug-and-play solution.

• IP and EMC test reports available for download on our website.

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

nVent.com/SCHROFF   EN

CONNECT AND PROTECT
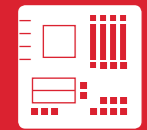
Interscale

Board Size Doesn't Matter

nVent

SCHROFF

STEP-BY-STEP

TO YOUR COMPLETE SOLUTION

The nVent SCHROFF Interscale platform gives you the flexibility to configure exactly what you need out of **standardized and pre-defined components.**

A **plug-and-play solution** can easily be created, while **reducing development time and costs.**

- **SCHROFF Interscale is ideally suited for both standardized and proprietary boards.**

- **Select a customized EMC-protected case with individual dimensions and cut-outs**

- **Decide inbetween various electronic components according to your requirements.**

- **Add innovative cooling solutions.**

- **Individualize your case through logo branding with paint and/or prints.**

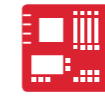- **Enrich your case with a wide selection of standard accessories.**

AT A GLANCE

nVent provides integrated solutions, engineered to enclose and protect your small form factor or individual boards.

CONFIGURE

WHAT YOU NEED TO PROTECT
YOUR SMALL FORM FACTOR BOARD

BOARD SIZE DOESN'T MATTER

- For industrial mainboards such as Mini-ITX, Pico-ITX, ATX, Micro ATX or computer boards like Raspberry Pi, the case size and cutouts are pre-defined to save design time, but can still be modified to suit your needs.

- For open standards like embedded NUC™, COM Express, QSeven or Smarc, standard cases are available which can be modified (cut-outs or sizes) to fit to the I/O interfaces.

- For proprietary boards simply select the case size required, specify the location of the board mounting studs, and the size and location for I/O cutouts.

ELECTRONIC COMPONENTS

Based on the board to be integrated, our design engineers have selected an ecosystem of compatible components for your system, including:

- Power supplies in various capacities
- Switches
- HDD brackets
- PCI/PCIe card holder

COOLING

Select from different cooling options:

- Fan cooling, with customizable perforations
- Conduction cooling, featuring our patented Flexible Heat Conductor (FHC), with customizable heat sink

DESIGN AND BRANDING

Select from silkscreen, powder-coating or digital printing colors to meet your requirements.

- Choose from our comprehensive standard cut-out library or realize individual cut-out designs
- Realize highly artistic designs and full-colored logos
- Enjoy vivid, photorealistic images with up to 32 million colors
- High stability of colors against light, temperature, chemicals and other environmental influences

ACCESSORIES

Choose from a wide range of mounting accessories to complete your system:

- Plastic or fold down feet, stacking aids
- Clip for horizontal rail mounting
- Mounting brackets for mounting on walls
- Integral 19'' bracket for cabinet mounting

CONDUCTION COOLING

Made from heat dissipating metal, Flexible Heat Conductors (FHCs) are particularly well-suited for small single-board systems and larger systems that cannot be air-cooled. The flexible aluminum design with spring loaded variable height adjustment ensures a direct flow for heat dissipation.