COM Carrier Boards for COM Express type 6 Modules

nVent SCHROFF

MODULAR COM SYSTEM CONCEPT FROM A SINGLE SOURCE

nVent is expanding its product portfolio with the addition of flexible, modular nVent SCHROFF carrier boards for type 6 COM Express modules. These COM Express modules standardized by PICMG support modern signals such as HDMI, Gbit Ethernet, USB 2.0 and 3.0 and PCI Express.

nVent delivers all these features to customer specification as a complete solution that combines a COM module, hard drive and other components in a single Interscale case with cooling and power supply.

Modular system concept:

- Interfaces can be adjusted based on requirements
- Slots for various expansion boards
- Efficient, low-interference power supply
- Choice of integration level
- Enclosure with IP protection up to IP 55 (optionally up to IP 67)
- Flexible cooling design for forced air cooling or passive cooling applications
- The height, width and depth of the small case can be adjusted

ADVANTAGES AND BENEFITS

- Carrier board for COM Express type 6 modules
- A modular design allows additional modules to be added, including fieldbus, Mini PCI Express, PMC, XMC and other modules
- A complete solution that combines a COM module and hard drive in one Interscale C case with cooling and a power supply
- Customized system design tailored to application-specific requirements
- A system solution available for delivery that can be integrated, tested, verified and certified on request

MAIN FIELDS OF APPLICATION

- Communication technology
- Industrial automation
- Test and measurement
- Railway and MIL applications

SCHROFF COM Carrier Boards for COM Express Type 6 Modules

TECHNICAL DATA

µATX form factor with an edge perimeter of 244 mm x 244 mm.

Carrier board interfaces

- Gbit Ethernet, USB 2.0 and 3.0, 5.1 HD Audio, DVI-D, HDMI and DisplayPort
- VGA and UART ports, two SIM retainers and a microSD retainer
- Optional cable adapters for RS-232 interfaces and LPT and PS/2 connectors
- LVDS interface for a touchscreen, three S-ATA interfaces, two Mini PCIe interfaces
- Fan, power and status signal connectors

Possible expansion boards

- Postcode/prototype module for debugging hardware and software
- USB/PCIe expansion board for additional PCIe and Mini PCIe slots
- Fieldbus module slot
- PMC/XMC slot (e.g. FPGA-XMC)

ORDERING INFORMATION

Item Number	Description
21265-001	SCHROFF COM System

For Further Information Please Visit: **nVent.com/SCHROFF**

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