Description
Acromag’s ACEX4405 carrier card supports both Type 2 and Type 3 COM Express modules at a small footprint of only 95mm x 125mm. Designed for harsh environments, the ACEX4405 has an extra rigid PCB and extended temperature support.

Key Features & Benefits
- Mini PCIe site for I/O expansion
- Compact Flash site with ejector
- COM module must support SATA2
- Dual Gigabit Ethernet (if supported by COM Express module)
- Optional fan power interface
- Standard ATX power connector
- LVDS for LCD panel display
- LCD backlight control
- Power and status LEDs

Performance Specifications

■ General
Form Factor
Small (SFF): 95mm x 125mm.

PICMG Compliance
Complies with PICMG COM.0.

Processor
Supports Type 2 and Type 3 COM Express module (i.e., ATOM™, Pentium® Core™ 2 Duo, Core™ i7, PowerPC™).

Flash Memory
On-board compact flash site (if COM module supports SATA).

Expansion
Mini PCIe socket 30mm x 51mm.

Connector Types
Ethernet: RJ45.
LVDS/LCD: 30-pin single row, dual channel.
VGA: 16-pin, dual row.
HD Audio: 10-pin, dual row.
SATA: SATA Header with latch.
USB: 10-pin, dual row.

Software Support
See COM Express module.

■ Environmental
Operating temperature
0 to 70°C.
Storage temperature
-40 to 105°C.
Relative humidity
20 to 80% non-condensing.

Shock
Operating:
30g peak acceleration, 11ms duration.
Non-operating:
50g peak acceleration, 11ms duration.

Vibration (5Hz-2kHz)
Operating:
0.015” (380µm) peak-to-peak displacement, 2.5g max acceleration.
Non-operating:
0.030” (760µm) peak-to-peak displacement, 5.0g max acceleration.

Ordering Information

■ Carrier Cards
ACEX4405-LF
COM Express module carrier card, lead free

■ Accessories
For more information, see www.acromag.com.