

## COM-Express Carrier CEC-604

The EGS COTS COM Express carrier boards are typically used as the carrier in an application specific design reducing a customer's Time to Market and allowing the customer to focus on their added value. Alternatively the carriers may be used as development platforms that enable customers to begin development on an application specific design with COM Express modules quickly and easily The CEC-604 provides both COM Express Type 2 and Type 6 support in addition to a range of standard Interfaces.

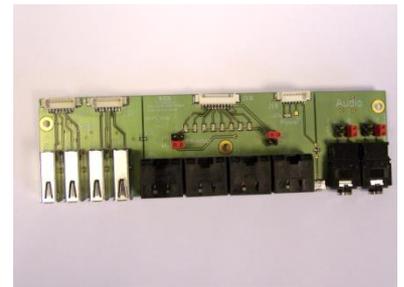


EGS Technologies is a RadiSys Value Added Reseller that specialises in COM-Express solutions design and manufacture. The key to the success of EGS is the range and depth of the technical skills available within the company. These skills encompass Electronic Design, Software Design and Mechanical design. EGS also has in house manufacturing capability which allows the company to offer a complete COM-E design and supply service for OEM's requiring bespoke solutions.

The majority of embedded applications have severe space constraints often further complicated by the type and positioning of the connectors. On this module we have allowed for bespoke cabling to meet the requirements of the enclosure and connector types by taking signals to blade connectors.

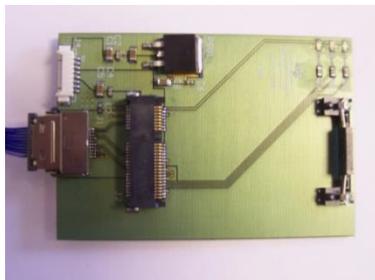
We offer an I/O transition board for the carrier, which offers a solution for development use or where the constraint on the system is just positioning of the I/O.

The transition board provides four Ethernet RJ45 connectors, four USB connectors and audio input and output sockets.



CEC-604-IO

We offer as many of the standard interfaces as possible on a carrier design, however for a specific project there is invariably a unique requirement. To deliver further flexibility and allow for optional interfaces the CEC-604 supports our popular optional Mini PCIe extender board. This is cabled to the carrier allowing flexibility in positioning and gives a standard Mini PCIe slot for I/O expansion; offering a bespoke product capability, product build options or a future product upgrade option for the OEM.



CEC-604-EX

EGS have designed and manufactured for Military, Industrial, Instrumentation, Telecommunications, HMI and Mobile Computing applications and would be interested to discuss your requirements with you, please call or email us

## Specification

### Interfaces

Com Express	440-pin 8mm COM Express female connector Type 2 and Type 6 Support
Network	Four 10/100/1000BaseT Pico Blade
USB	Four USB Ports supporting USB2.0. Pico Blade
RS232	One serial ports (depending on COM-E module used)
Mini PCIe Extender	One connector for extender board
Display Port	One to on board connector
VGA	Header (depending upon COM-E module used)
LVDS	Dual – A & B (depending on COM-E module used)
Back Light Control	Pico Blade (5V or 12V)
Audio	One standard microphone-in and line-out
SATA	Two 7-pin SATA connectors
mSATA	One connector
I2C	Header
Front Panel	Reset, LEDs etc Pico Blade
Fans	One - three or four pin fan (On board temperature sensing)
Power	12V.DC
Clock Backup	On board power cap, or external supply
Power on/off	ATX operation, external connection
Operating Systems	Windows XP, Windows 7, Linux
Dimensions	95mm x 125mm

### Ordering

CEC-604-00	Carrier with OEM interface connectors
CEC-604-IO	I/O Transition Board
CEC-604-EX	Mini PCIe Expander board