

AE12 – ESMexpress® Module to COM Express® Carrier Adapter

- COM Express® Type 2 basic form factor compliant

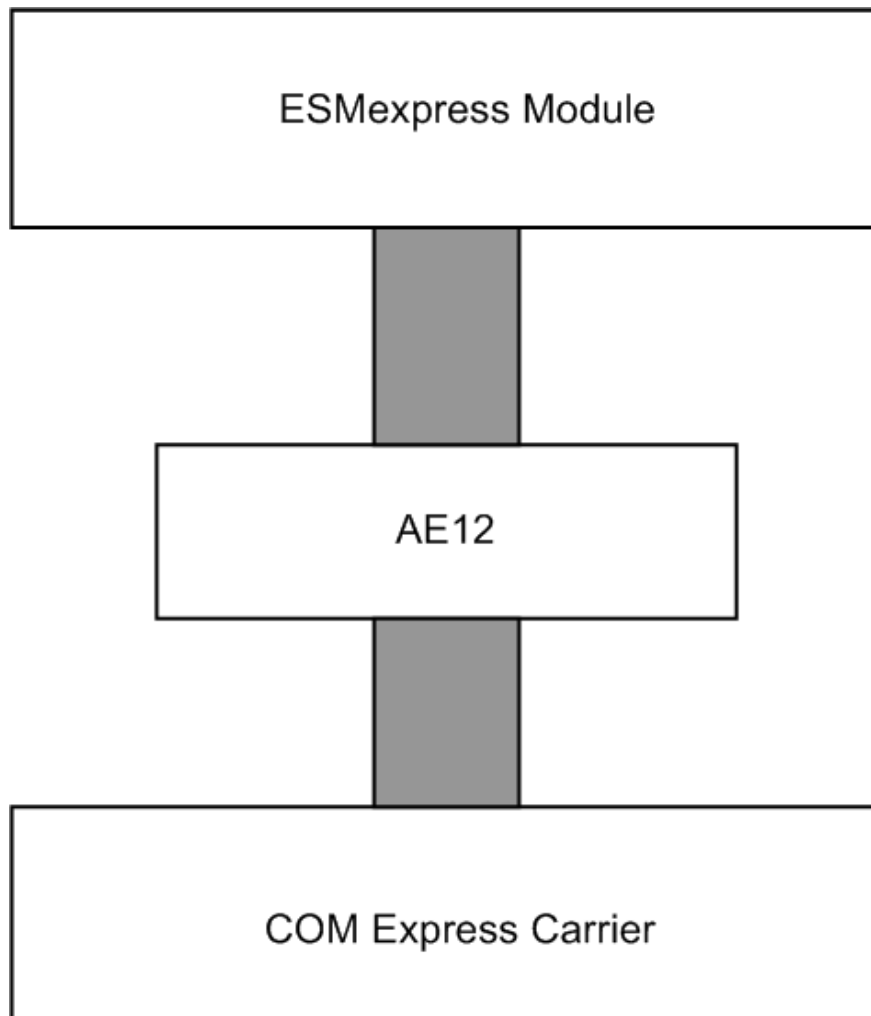


The AE12 adapter board can be used to evaluate an ESMexpress® CPU computer-on-module on a COM Express® carrier board.

The adapter is type 2 basic form factor compliant in accordance with the COM Express® standard by PICMG. It adapts the pin-out and the mechanics of an ESMexpress® module to COM Express®.

Together with an application-specific carrier board it builds a semi-custom solution for industrial, harsh, mobile and mission-critical environments.

Diagram



Technical Data

Interfaces	<ul style="list-style-type: none">■ COM Express® carrier to ESMexpress® module
COM Express® Specifications	<ul style="list-style-type: none">■ In accordance with PICMG COM.0 R1.0
Mechanical Specifications	<ul style="list-style-type: none">■ Dimensions: conforming to TYPE2 basic form factor■ Weight: tbd
Environmental Specifications	<ul style="list-style-type: none">■ Temperature range (operation):<ul style="list-style-type: none">□ -40..+85°C□ Airflow: min. 10m³/h■ Temperature range (storage): -40..+85°C■ Relative humidity (operation): max. 95% non-condensing■ Relative humidity (storage): max. 95% non-condensing■ Altitude: -300m to + 3,000m■ Shock: 15g/11ms■ Bump: 10g/16ms■ Vibration (sinusoidal): 1g/10..150Hz■ Conformal coating on request
Safety	<ul style="list-style-type: none">■ PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers

Configuration & Options

Standard Configurations

Article No.	From module	To carrier
08AE12-00	ESMexpress	COM Express

Options

Interfaces	■ COM Express® module to ESMexpress® carrier
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Please note that some of these options may only be available for large volumes. Please ask our sales staff for more information.

Ordering Information

Standard AE12 Models	08AE12-00	ESMexpress® module to COM Express® carrier adapter, 0..+60°C
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