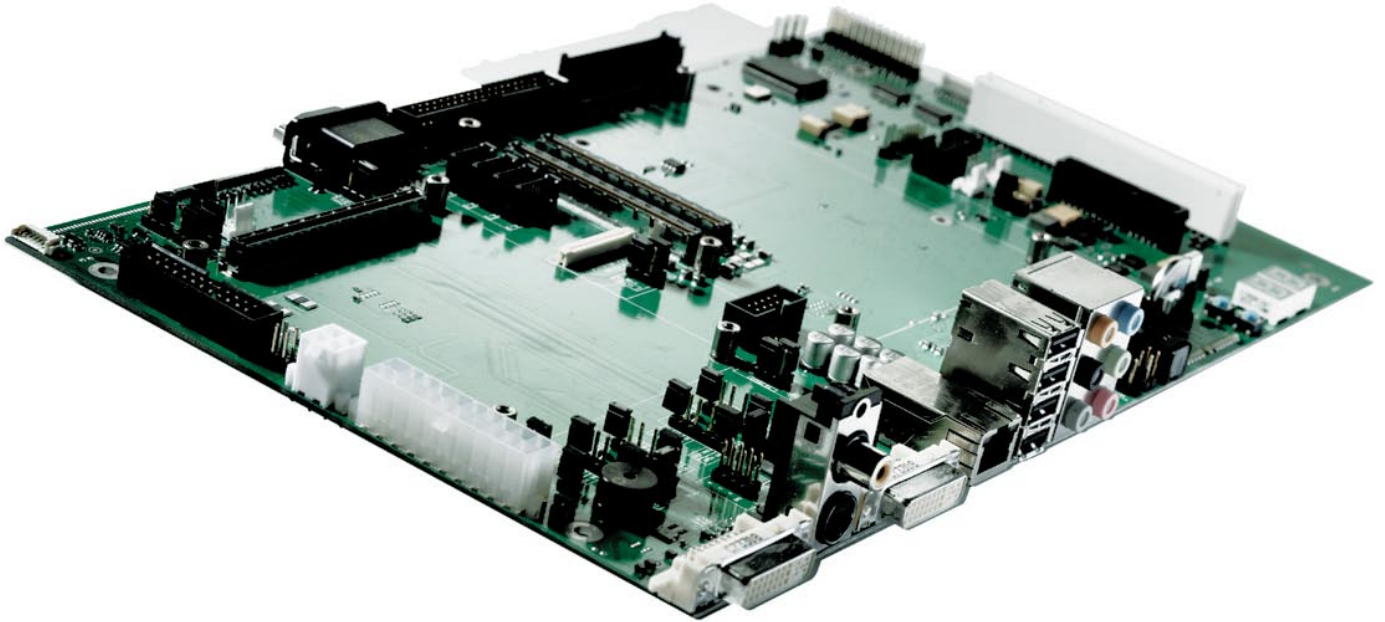


➤ UGM Evaluation Board

For UGM and COM Express™ modules



- For quick evaluation purposes
- Fully featured UGM connectors
- Rich multimedia interfaces

Product Overview

The UGM Evaluation Board is designed to allow embedded application developers to get up and run quickly with COM Express™ and UGM modules. The module can be run also with COM Express™ modules separately. In particular, the evaluation board is for the use and test of UGM modules, which delivers maximum graphic performance. In general, any COM Express™ module can be combined with UGM modules.

It offers well-established and current multimedia interfaces of any kind. With a complete set of connectors, it operates as reference design for several customized variations. Thus, time-to-market is dramatically reduced and future upgrades are as simple as choosing a new COM Express™ module.

The UGM Evaluation Board is shipped without COM Express™ module and without UGM module.

Technical Information

Hard Disk	<ul style="list-style-type: none"> 1 x 40 pin IDE connector 1 x Compact Flash Socket (vertical) 4 x SATA connectors
Ethernet	<ul style="list-style-type: none"> 1 x Ethernet connector for 10/100/1000 LAN
Legacy interfaces	<ul style="list-style-type: none"> 2 x COM connectors (pin header) 1 x LPT connector (pin header)
USB	<ul style="list-style-type: none"> 4 x USB 2.0 2 x USB 2.0 (pin header)
LVDS and CRT interfaces	<ul style="list-style-type: none"> from COM Express™ module: <ul style="list-style-type: none"> ➤ 1 x JILI LVDS ➤ 1x D-SUB15 CRT from UGM module: <ul style="list-style-type: none"> ➤ 1x JILI30 LVDS ➤ 2x DVI-I ➤ 1x TVout (CVBS, S-Video & Component)

PCI	<ul style="list-style-type: none"> 1 x PCI Slot
PCI Express	<ul style="list-style-type: none"> 1 x PCI Express x4 in x16 slot
PCI Express Card	<ul style="list-style-type: none"> 1 x PCI Express Card slot (optional on backside)
Sound	<ul style="list-style-type: none"> 7.1+2 Channel High Definition Audio Codec 6 jacks on front connector 2 jacks on pin header 1x SPDIF
Form Factor	<ul style="list-style-type: none"> 305mm x 190mm x 38mm ATX power connectors: 4 pin (12V/wide range) and 20 pin
Temperature (*)	<ul style="list-style-type: none"> Operating: 0 to +60°C Storage: -25 to +85°C
Humidity	<ul style="list-style-type: none"> Operating: 10% to 90% (non condensing) Non operating: 5% to 95% (non condensing)

(*) Ask about extended temperature ranges

Ordering Information

Article	Part.-No.	Description
UGM Evaluation Board	41100-0000-00-0	Evaluation Board for UGM and COM Express™ modules
UGM-M72	41001-1280-00-0	High End Graphic Module based on ATI M72 with 128 MB RAM
UGM-M72	41001-2560-00-0	High End Graphic Module based on ATI M72 with 256 MB RAM
UGM-M72-COOLER1	41001-0000-99-0	Passive Heatspreader Kit for UGM-M72, all memory versions. Mandatory for the UGM-M72 module.

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