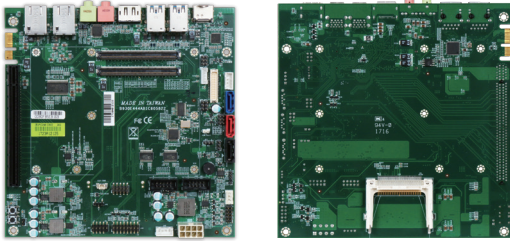


PCOM-C605

PCOM-C605 is Mini-ITX Form Factor Evaluation Carrier Board COM Express Revision 2.0 Type VI Module



FEATURES

- COM Express® carrier board is compatible with the Portwell Type VI COM Express® modules.
- Mini-ITX form factor meets most standard mounting spaces and provides more expansions slots

Portwell PCOM-C605 is designed with Mini-ITX form factor with COM Express Type VI row connectors, suitable for evaluation testing of Portwell's Type VI COM Express modules on PCI-E, PEG, VGA/LVDS, USB, SATA, and CFEF with SATA and SPI interface. We also provide carrier board design guides for your own carrier board development reference.

This new version of the PCOM-C605 Reference Carrier Board is 100% compatible with the recently released PICMG COM Express Carrier Design Guide and provides a full complement of I/O interfaces, debugging tools, and peripheral devices such as Super I/O and audio code that may be required on the custom carrier board. The full schematics and mechanical drawings of the PCOM-C605 are available for testing to allow customers to immediately begin their own carrier board design effort. A complete Starter Kit is also available, which includes the COM Express module of choice, the PCOM-C605 reference carrier board, thermal solution, documentation.

General

Product	PCOM-C605
Form Factor	Type 6, Mini-ITX (170 x 170 mm)
Processor	Depends on Module
Core	
Freq.	
Turbo	
Cache	
Processor Graphics	
Graphics Base Frequency	
Graphics Max Dynamic Frequency	
HW Encoding	
HW Decoding	
HW Acceleration	
Processor TDP	
BIOS	
ECC Memory Supported	
Memory	

I/O Interface

SATA	3 x SATA III, 1 x CFEF	
USB	4 x USB 3.0, 4 x USB2.0	
Ethernet	2 x GbE	
Serial I/O	GPIO	8 bit GPIO
	I ² C	Based on module desing
	SMBus	Based on module desing
	UART	1 x Serial Port
PEG	1 x PCIe x16	
PCI Express	2 x PCIe x 1 Golden Finger	
Display	Default	Resolution
	VGA	Depends on module
	LVDS	
	DP	
HDMI		
Security	N/A	

MECHANICAL & ENVIRONMENT

Dimension	170 x 170 mm
Power DC IN	12V DC IN
Storage Temperature	-40°C to 80°C
Operation Temperature	-40°C to 80°C
Certification	Contact us
MTBF	Over 100,000 hours at 40° C
Vibration	N/A
OS	Depend on Module

ORDERING GUIDE

Product	Ordering P/N	Status
PCOM-C605	AB1-3998	Available

BLOCK DIAGRAM

PCOM-C605

COM Express Type 6 Carrier Board

Mini-ITX Form Factor

-40 ~ +80°C

ATX PSU Connector

12V DC in

