

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-ATX 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 CFEX 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	Mini-ITX (170 x 170mm)		
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	1 x SATA II 2 x SATA III 1 x CFEX		
USB	4 x USB 3.0/2.0		
Ethernet	2 x GbE		
Serial I/O	GPIO	8 GPIO	
	I ² C	base on module design	
	SMBus	base on module design	
	UAR	1x UAR	
PEG	1 x PCIe x16		
PCI Express	2 x PCIe x1 Golden Finger		
Display	VGA	VGA	2560 x 1600
	LVDS	LVDS	1920x1200
	HDMI	DP	3840 x 2160
		HDMI	3840 x 2160
Security	N/A		

MECHANICAL & ENVIRONMENT

Dimension	120 x 120mm
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

