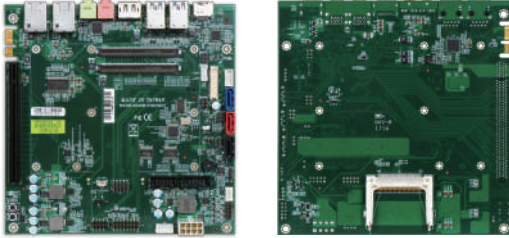


# PCOM-C605

Mini-ITX Form Factor Evaluation Carrier Board for Type 6 Com-Express® Rev 2.1 Module



## FEATURES

- COM Express® carrier board is compatible with the Portwell Type 6 COM Express® modules
- Support 4x USB 3.0, 2x USB 2.0, 3x SATA Ports, 1 x CFEX
- Support multiple displays(DP, HDMI, VGA, LVDS)
- Support 1 x PEG 2 x PCIe Golden Finger

Portwell PCOM-C605 is designed to as a validation board for most of the Portwell COM-Express 2.1 type 6 modules, this carrier will support VGA, LVDS, DP, HDMI displays, and included multiple I/O expansions, for example PEG, PCIe, USB3.0. SATA III and CFEX.

## 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	1 x CFEX 1 x SATA III, 2 x SATA II		
USB	4 x USB 3.0, 4 x USB2.0		
Ethernet	2 x GbE		
Serial I/O	GPIO	8 bit GPIO	
	I <sup>2</sup> C	Based on module desing	
	SMBus	Based on module desing	
	UART	2 x Serial Port (SuperI/O, RS232) 1 x Serial Port (Tx/Rx)	
PEG	1 x PCIe x 16 (Gen3)		
PCI Express	2 x PCIe x 1 Golden Finger		
Display	Default	Options	Resolution
	VGA	VGA	Depends on module
	LVDS	24bit dual channel LVDS	
	DDI0	DP	
	DDI1	HDMI	
Security	Depends on module		

## MECHANICAL & ENVIRONMENT

Dimension	170 x 170 mm
Power DC IN	Support ATX power supply
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	Depends on module

## ORDERING GUIDE

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

Accessory	Ordering P/N	Status
VGA Cable	B7864720	Available
LVDS Cable	TBD	In Development

## BLOCK DIAGRAM

