

COM Express Development Systems



Product Datasheet

COM Express

For software developers and evaluators who want an even faster out-of-the-box experience, PDSi offers several development system packages. These ready-to-use steel-enclosed workstations are integrated using the COMX-S1 module and COMX-CB carrier board. Choose from either the low-profile COMX-DV system or the mid-tower COMX-MV if you plan to install any full-height PCI cards.

Select the specific COMX-S1 CPU and memory configuration you want, along with the required active heatsink option, and PDSi will build that COM Express module into a convenient development workstation which includes a power supply, enclosure fans, hard drive and DVD drive.



COMX-MV

Avoid the time and trouble of finding these peripherals, and then building and debugging a platform before you can even start software development.

With PDSi's COMX-DV and -MV packaged systems, start running your code on a COM Express platform without delay.



COMX-DV

Development System Key Features

- Ready-to-run development platforms
- COMX-S1 COM Express Module
 - Any CPU / Memory configuration
 - Active Heatsink
- COMX-CB Type 2 Carrier Board
- 80 GB SATA HDD
- DVD
- 250 Watt ATX Power Supply
- Enclosure Fans

Looking for a turnkey COM Express Solution?

PDSi has a wealth of experience in custom OEM system design and integration. Contact us for turnkey delivery of your COM Express System:

- Custom Enclosures
- Special Environmental and Cooling requirements
- Custom Carrier Board
- OS and Application Software Load and Test
- Configure-to-order Systems
- Extended Service Programs

System Configuration

System Board	PDSi COMX-S1 COM Express Module mounted on PDSi COMX-CB Type 2 Carrier Board. Includes Active Heatsink option.
CPU and Memory	Configurable per COMX-S1 options
PCIe / PCI	1 PCIe x 16 slot – (PCIe x8 from Module) 1 PCIe x 4 slot – (PCIe x1 from Module) 1 PCIe x1 slot 1 PCI 2.1 32 bit / 33 MHz slot
Drives	1 - 80 GB SATA HDD 1 – DVD +/-R, 20x



External Connectors

Video	Analog VGA (up to 2048x1536)
Ethernet	1 x 10/100/1000 GbE (BCM5787)
SVideo	(inactive - contact PDSi if required)
USB	Front – 2 x USB 2.0 Rear - 4 x USB 2.0
Audio	Front - Line Out, Mic Rear - Line In, Line Out, Mic
Serial/Parallel	1 x Serial 1 x Parallel
Keyboard/Mouse	PS/2 Keyboard PS/2 Mouse
Control Panel	Power button, Power LED HDD Activity LED
Power	120VAC, 250 Watt
Dimensions	COMX-DV 12.8"W x 15.8"D x 3.9"H COMX-MV 7.1"W x 17"D x 16.5"H
Temperature & Humidity	Operation : 0 to 40 degC 10% - 90% non-condensing



Ordering Information:

Ordering Part Number (OPN)	Description	Notes
COMX-DV-110-xx-x	Low Profile COM Express Development System including COMX-S1 Module and COMX-CB Carrier Board, Power Supply, HDD and DVD, mounted in enclosure (low profile PCI slots)	Refer to COMX-S1 Module datasheet for CPU and memory configuration choices
COMX-MV-110-xx-x	Mid Tower COM Express Development System including COMX-S1 Module and COMX-CB Carrier Board, Power Supply, HDD and DVD, mounted in enclosure (full height PCI slots)	Refer to COMX-S1 Module datasheet for CPU and memory configuration choices

