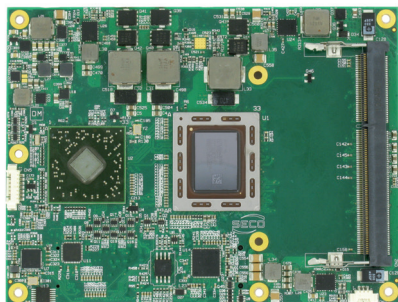




COMe-948-BT6

COM Express™ Basic Type 6 Module based on AMD Embedded R-Series Platform

Powerful integrated graphics for multi-display designs



HIGHLIGHTS

- AMD R-series APU (CPU+GPU) architecture
- Up to 4 independent displays, up to 2560x1600 resolution
- Designed for digital signage, gaming and multimedia applications



MAIN FIELDS OF APPLICATION



Biomedical/
Medical
devices



Gaming



Digital Signage -
Infotainment

FEATURES

Processor	AMD R-464L , Quad Core @ 3.2 GHz, TDP 35W AMD R-460L , Quad Core @ 2.8 GHz, TDP 25W AMD R-452L , Quad Core @ 2.4 GHz, TDP 19W AMD R-260H , Dual Core @ 2.6 GHz, TDP 17W AMD R-252F , Dual Core @ 2.4 GHz, TDP 17W	Other Interfaces	2 x Express Card interfaces I2C Bus LPC Bus SM Bus 4 x GPI, 4 x GPO Thermal / FAN management SPI Interface Watch Dog timer Real Time Clock Optional Trusted Platform Module (TPM) Power Management Signals
Max Cores	4	Power Supply	+12V _{DC} ± 10% and + 5V _{SB} (optional)
Chipset	AMD A70M Controller Hub	Operating System	Microsoft® Windows 7 (32 / 64 bit) Microsoft® Windows 8.1 (32 / 64 bit) Microsoft® Windows 10 (32 / 64 bit) Microsoft® Windows 10 IoT Microsoft® Windows Embedded Standard 7 (32 / 64 bit) Microsoft® Windows Embedded Standard 8 (32 / 64 bit) Linux
Memory	Up to 8GB of 1600MHz DDR3 on two SO-DIMM slots @1.5V, supporting Dual-Channel	Operating Temperature*	0°C ÷ +60°C
Graphics	AMD Radeon HD7000G Series: HD7660G - AMD R-464L HD7620G - AMD R-460L / HD7600G - AMD R-452L HD7500G - AMD R-260H / HD7400G - AMD R-252F Up to 4 independent displays supported DirectX® 11, OpenGL4.2, OpenCL™ 1.1 supported	Dimensions	125 x 95 mm (4.92" x 3.74")
Video Interfaces	3 x Digital Display interfaces 18 / 24 bit single / dual channel LVDS interface CRT interface PCI Express Graphics (PEG) x 8 interface	*Measured at any point of the heatspreader/heatsink during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system.	
Video Resolution	Digital Display interfaces: up to 2560 x 1600 CRT: up to 1920 x 1600 LVDS: up to 1920 x 1200		
Mass Storage	4 x external SATA channels		
Networking	Gigabit Ethernet interface		
USB	8 x USB 2.0 Host ports 4 x USB 3.0 Host ports		
PCI-e	7 x PCI-e x1 lanes (configurable as 1 PCI-e x4 + 3 PCI-e x1)		
Audio	HD Audio interface		
Serial Ports	2 x optional Serial ports (TX / RX only, TTL interface)		

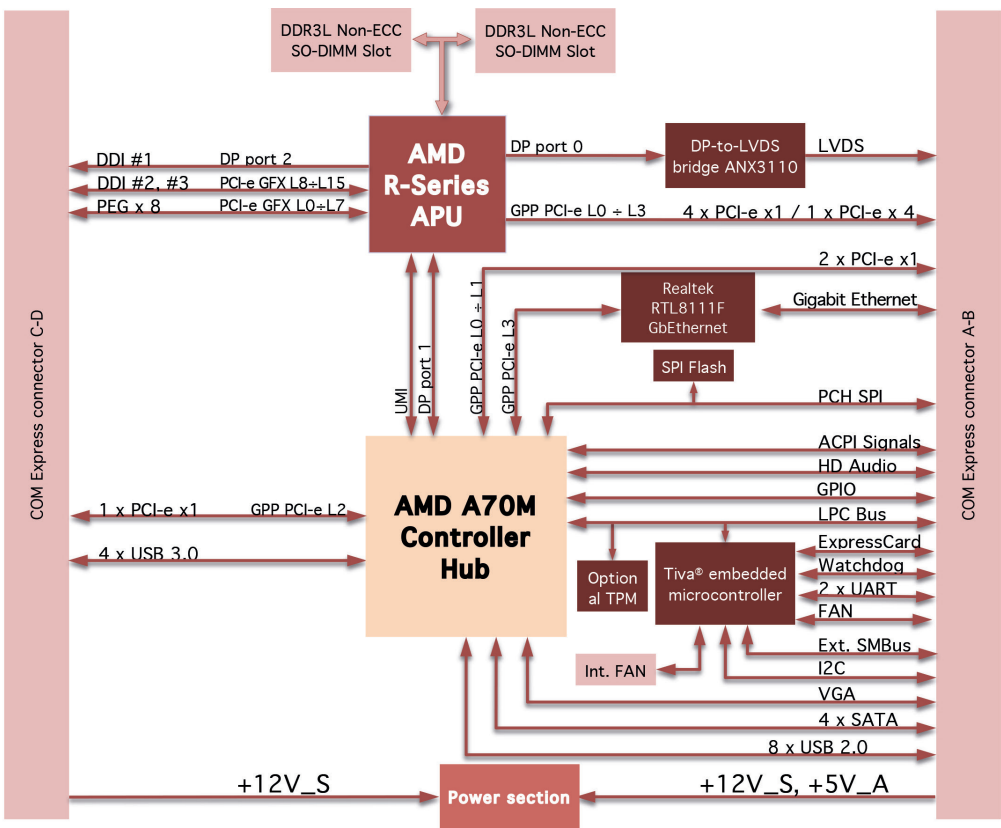


www.seco.com

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BLOCK DIAGRAM



ACCESSORIES

PN	DESCRIPTION
M965-0000-0000-C0	mini ITX Carrier Board for COM-Express Type 6 modules
M965-CEXDK-0000	COM Express Type 6 Cross Platform Development Kit

Information subject to change. Please visit www.seco.com to find the latest version of this datasheet

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