



DEV-KIT-COM-HPC-A

Cross Platform Development Kit compatible with both x86 and Arm[®] COM-HPC[®] Client modules

Development Kit for COM-HPC[®] Client Modules



STARTER KIT CONTENTS

Development Kit Contents:

- CCHPC-C78-C Carrier board
- GPIO Header adapter cable (Free wires on one extremity)
- 1x certified High Speed DP cable 1m
- DP-to-HDMI adapter
- 1x Serial Adapter Cables
- 1x SATA cable
- Front Panel module V995 with connecting cables

HIGHLIGHTS

- COM-HPC[®] Client Carrier board
- ATX form factor
- Especially suited for development and debugging of COM-HPC[®] Client modules
- Separated power supply for COM-HPC[®] module and carrier board

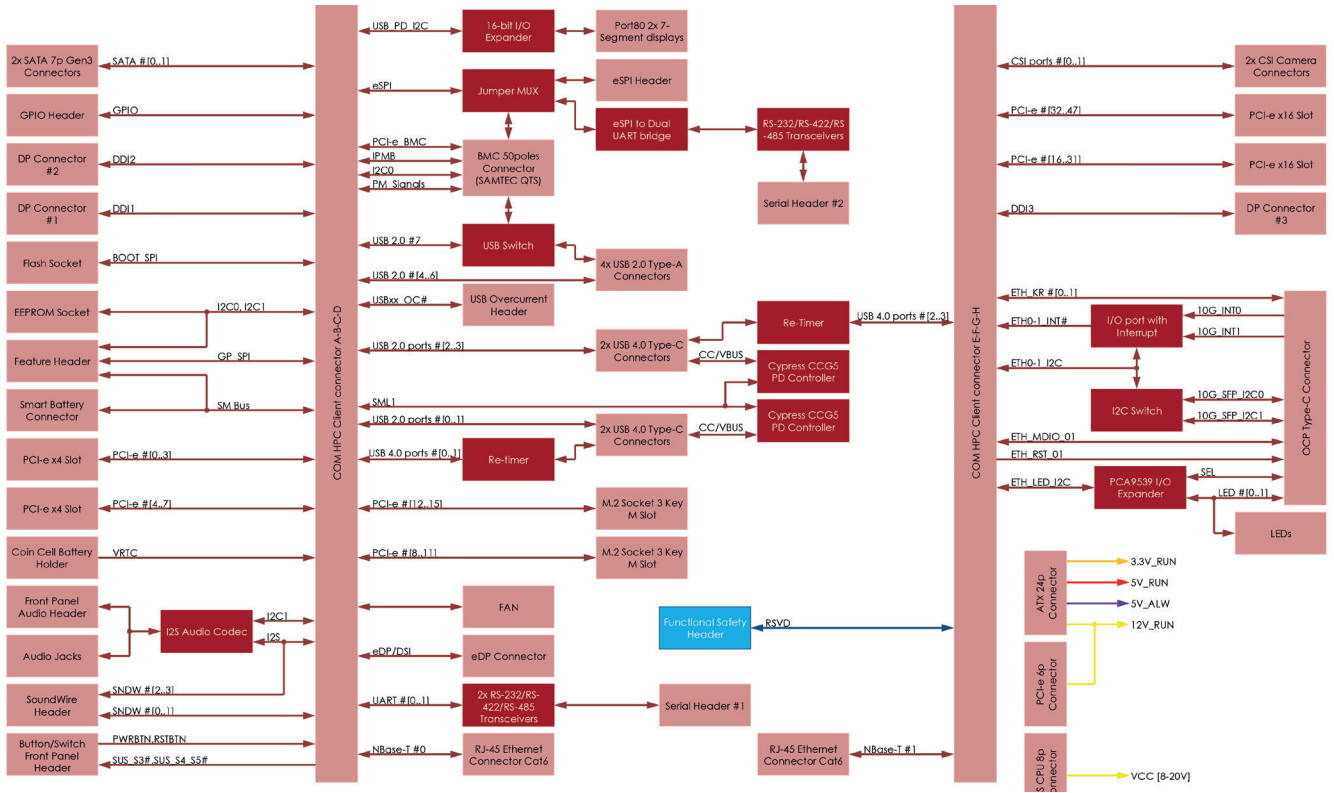
FEATURES OF CCHPC-C78-C

Video Interfaces	1x 40-poles eDP/DSI connector 3x DP++ connectors 2x CSI Camera Input Connectors		
Mass Storage	2x S-ATA 7p M connectors 2x M.2 Socket 3 Key M slots for M.2 NVMe Drives		
Networking	2x NBase-T Ethernet RJ-45 connectors 2x 10Gbase-KR interfaces on OCP Type-C connector	Other Interfaces	BMC connector with SM Bus, I2C, eSPI, 1x USB 2.0, 1x PCI-e x1, 1 x UART, 2x GPIO 12 GPIO pin header Boot SPI Internal Header Button / LEDs front panel header 4-pin tachometric FAN connector Feature Pin header with 2xI2C, SM Bus, GP SPI, Management signals I2C Flash Socket SM Bus Smart Battery Connector 2x 7-segment LCD displays for POST codes eSPI internal header Functional Safety (FuSa) internal pin header
USB	4x USB 4.0 / USB 3.2 Gen2x2 ports on Standard Type-C sockets with PD functionality 4x USB 2.0 Host ports on standard Quad Type-A Socket USB Overcurrent pin header	Power Supply	ATX 24 poles connector for carrier board working only Auxiliary I2V PCI-e 6-pin power connector Dedicated EPS CPU Power in connector (voltage range 8..20V) for COM HPC Client module's working Cabled Coin-cell connector for RTC
PCI-e	2x PCI-e x4 Slots 2x PCI-e x4 interfaces on M.2 Socket 3 Key M Slots 2x PCI-e x16 Slot	Operating Temperature*	-40°C ÷ +85°C (Industrial Temperature range)
Audio	I2S Audio Codec Line In, Line Out, Mic in Triple Audio jack Mic In + Line Out internal pin header I2S/Soundwire shared interface + Soundwire only interface on internal pin header	Dimensions	305x244mm (ATX form factor, 12" x 9.6")
Serial Ports	2 x RS-232/RS-422/RS-485 ports on dedicated pin header (from module) 2 x RS-232/RS-422/RS-485 ports on dedicated pin header (from eSPI Dual UART controller)	*All carrier board components must remain within the operating temperature at any and all times, including start-up; carrier operating temperature is independent of the module installed. Please refer to the specific module for more details. Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system.	

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BLOCK DIAGRAM



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

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DATA ORCHESTRATION

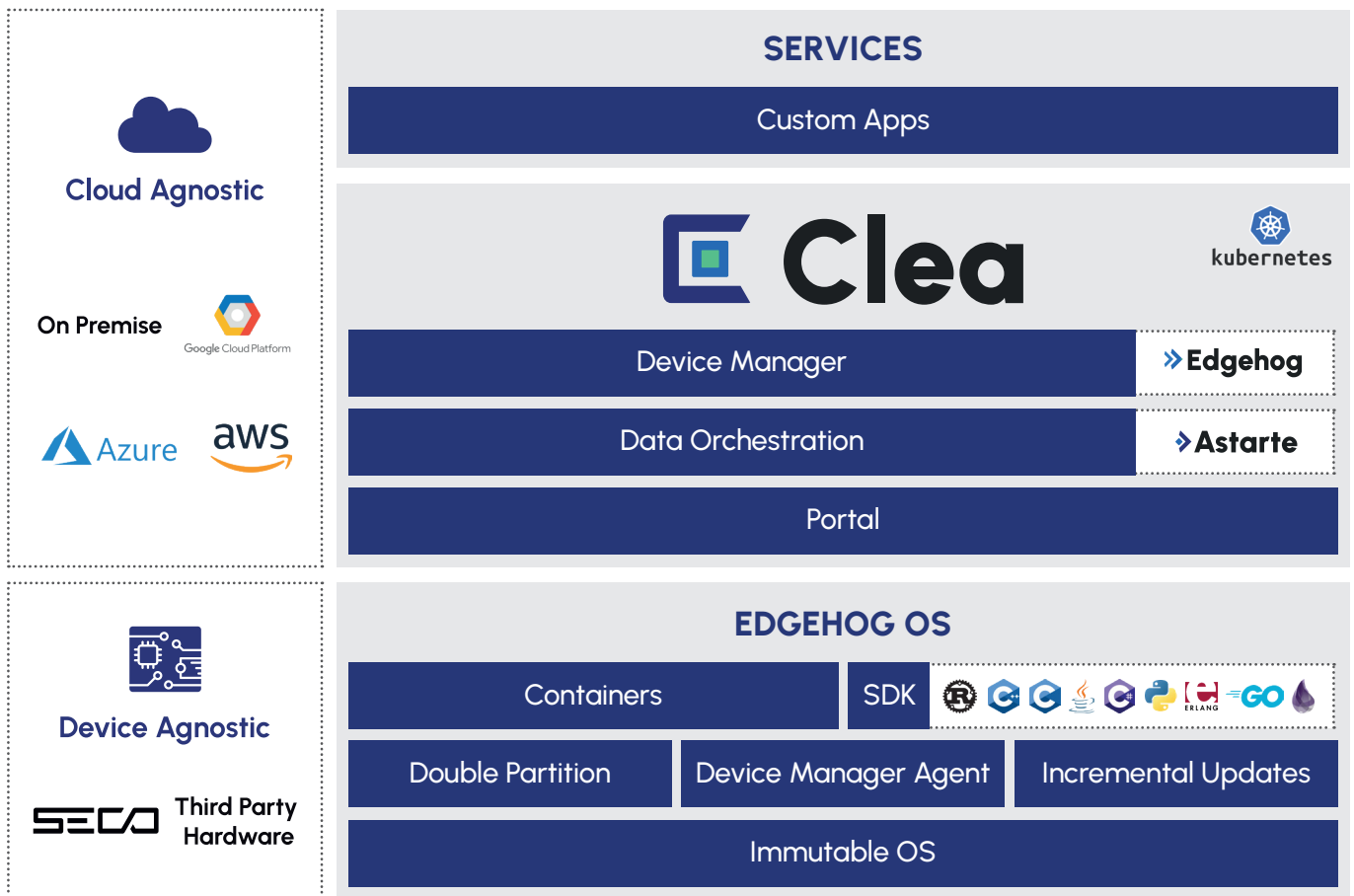
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