



## SOM-COMe-CT6-Snapdragon-X

COM Express 3.1 Type 6 Compact modules with Qualcomm Snapdragon X / X Plus / X Elite line of processors in SiP-A, with Qualcomm Hexagon NPU, up to 45 TOPS

### Performance & Efficiency: Snapdragon X-Powered Computing for Next-Gen Embedded Solutions"

#### HIGHLIGHTS



**CPU**  
Qualcomm Snapdragon X / X Plus / X Elite line of processors in SiP-A, with Qualcomm Hexagon NPU, up to 45 TOPS

**CONNECTIVITY**  
1x NBase-T Ethernet port

**NPU**  
Qualcomm® Hexagon™ NPU Up to 45 TOPS  
Dual Micro NPU on the Qualcomm® Sensing Hub"

**MEMORY**  
Up to 64GB LPDDR5 4224MT/s integrated on SiP

Available in Industrial Temperature Range



#### MAIN FIELDS OF APPLICATION



Healthcare and Medical devices



Smart cities



Retail



Digital Signage



Industrial PC

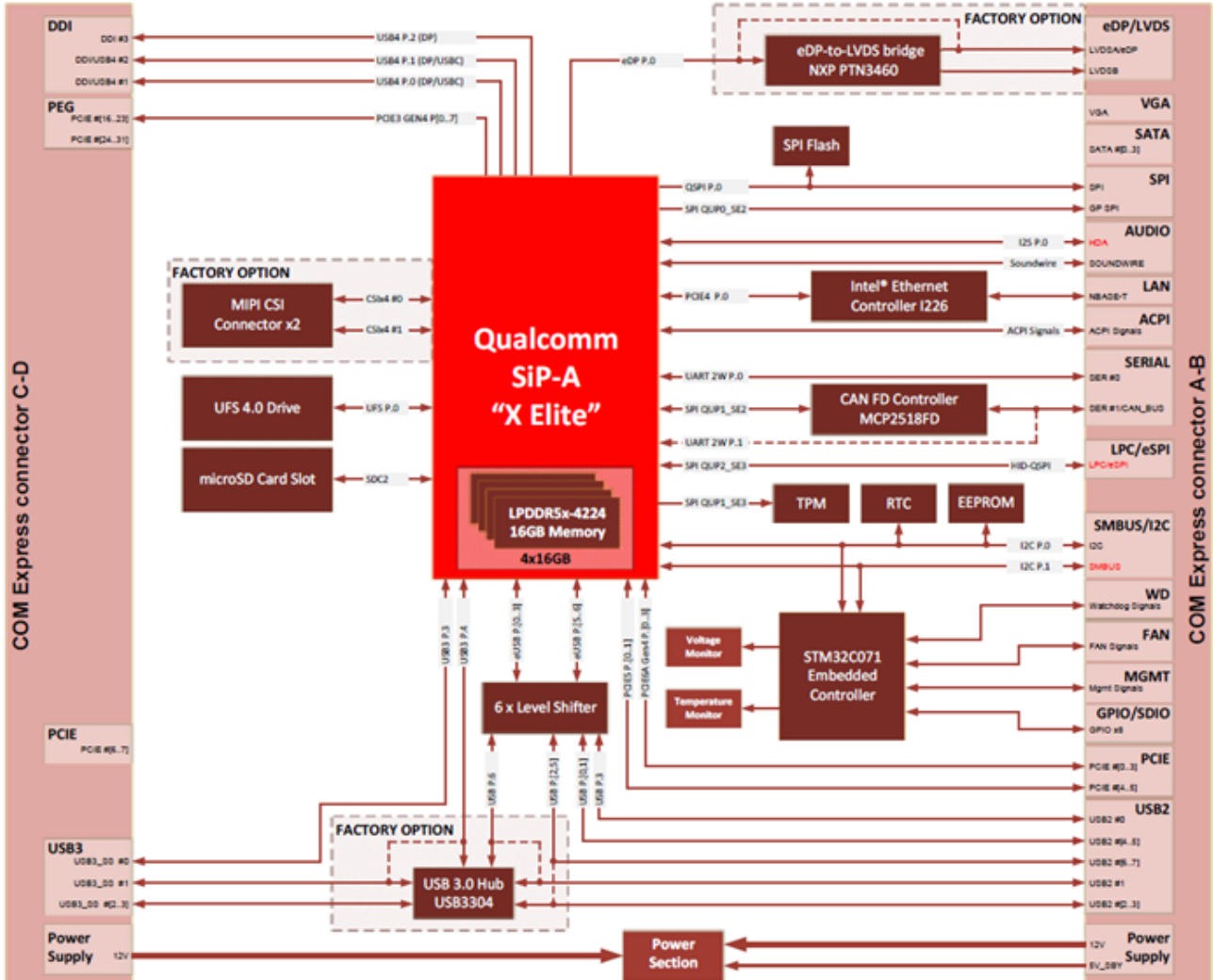
#### FEATURES

<b>Processor</b>	Qualcomm Snapdragon X / X Plus / X Elite line of processors in SiP-A, with Qualcomm Hexagon NPU, up to 45 TOPS <ul style="list-style-type: none"> <li>• <b>Snapdragon X X1-26-100:</b> 8 Cores Qualcomm® Oryon™ CPU @ 3.0 GHz, 30MB Cache</li> <li>• <b>Snapdragon X Plus X1P-42-100:</b> 8 Cores Qualcomm® Oryon™ CPU @ 3.2 GHz (3.4GHz Single Core Boost), 30MB Cache</li> <li>• <b>Snapdragon X Plus X1P-64-100:</b> 10 Cores Qualcomm® Oryon™ CPU @ 3.4 GHz, 42MB Cache</li> <li>• <b>Snapdragon X Elite X1E-78-100:</b> 12 Cores Qualcomm® Oryon™ CPU @ 3.4 GHz, 42MB Cache</li> </ul>	
<b>NPU</b>	Qualcomm® Hexagon™ NPU Up to 45 TOPS Dual Micro NPU on the Qualcomm® Sensing Hub"	
<b>Memory</b>	Up to 64GB LPDDR5 4224MT/s integrated on SiP	<b>USB</b> 2x USB 10Gbps interfaces (without USB hub) 1x USB 10Gbps + 3xUSB 5Gbps (with USB hub) 8x Hi-Speed USB 2x USB4 Gen3x2 ports
<b>Graphics</b>	Qualcomm® Adreno™ GPU <ul style="list-style-type: none"> <li>• <b>X1E-78-100 and X1P-64-100:</b> Up to 3.8 TFLOPS</li> <li>• <b>X1P-42-100 and X1-26-100:</b> Up to 1.7 TFLOPS</li> </ul>	<b>PCI-e</b> 2x PCI-e x2 or 1x PCI-e x4 Gen4 port 1x PCI-e x2 Gen3 lport 1x PCI-e x8 Gen4 port on PEG pins
<b>Video Interfaces</b>	Up to 4 independent displays 2x DP supporting DP / DP Alt Mode overType-C 1x DDI supporting DP 1x eDP or 1 x LVDS Single/Dual Channel interfaces (factory alternatives)	<b>Audio</b> I2S audio interface on pins demanded to HD audio Soundwire interface
<b>Video Resolution</b>	DP: up to 5120x2880 @60Hz eDP up to 4K60Hz LVDS up to 1920x1200 @ 60Hz Max resolution 5120 x 2880p60 + 4096 x 2160p60 + 4096 x 2160p60 across all display outputs.	<b>Serial Ports</b> Up to 2x 2-wires UARTs CAN port (optional)
<b>Mass Storage</b>	UFS 4.0 module on-board, optional, up to 256GB microSD card slot I2C EEPROM	<b>Other Interfaces</b> Boot SPI General purpose SPI QSPI on LPC/eSPI 2x I2C Bus 4x GPIOs 4x GPOs
<b>Networking</b>	1x NBase-T Ethernet port with Time-Sensitive Networking, supporting 10/100/1000/2500Mbps Intel® I226 Ethernet Controller	<b>Power Supply</b> '+12V <sub>DC</sub> ± 10%, +5V StandBy, +3.0V <sub>RTC</sub>
		<b>Operating System</b> Microsoft® Windows 11 IoT Enterprise
		<b>Operating Temperature*</b> 0° ÷ +60°C (Commercial Version) -40C ÷ +85°C (Industrial Version)
		<b>Dimensions</b> 95x95mm (COM Express Compact Form Factor)

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## BLOCK DIAGRAM



Information subject to change. Please visit [www.seco.com](http://www.seco.com) to find the latest version of this datasheet.

# Streamline and expedite your edge computing implementations

## Clea OS

A flexible operating system that adapts to your needs, thanks to the customization tool and Docker support. Reliability and security are built-in through a dual-partition system and native integration with Exein's robust AI-based protection.

## Clea Astarte

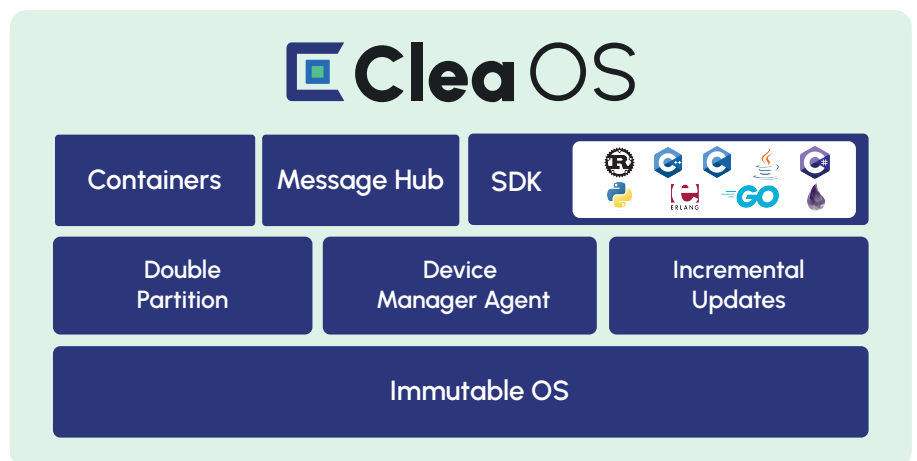
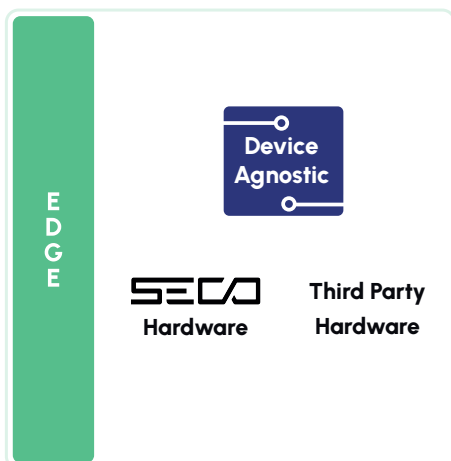
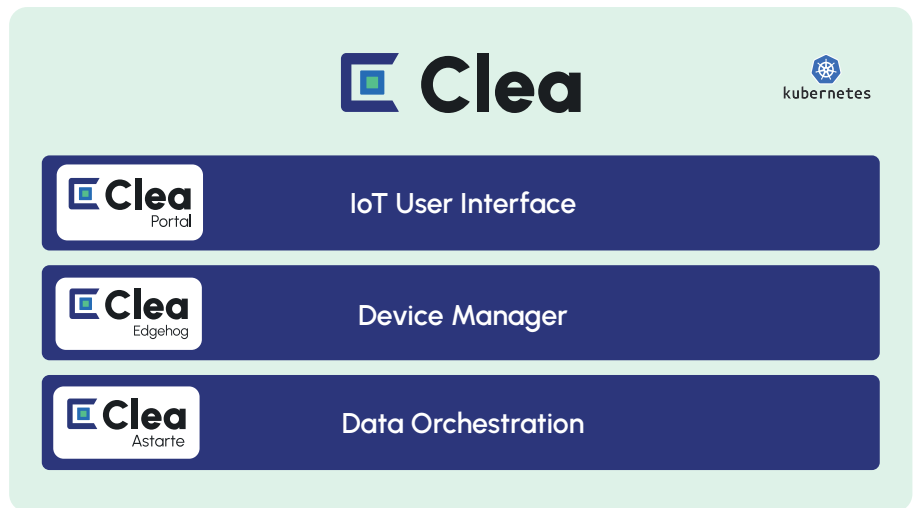
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

## Clea Edgehog

Update, configure, and manage remote devices. Optimize time and costs to maximize operational efficiency and security without the need for costly field interventions.

## Clea Portal

Analyze data from remote devices, customize the user experience with applications tailored to user needs, and manage user rights, company access, and tenant privileges.



Scan to know more about our solution

Clea OS



Clea DOCS

