



Modular Vision 15.6 EHL

High end 15.6 inch HMI based on Intel® Atom® (formerly Elkhart Lake)

Flexibility and expandability in a unique modular HMI concept



HIGHLIGHTS

CPU Intel® Atom® x6000E Series and Intel® Pentium® and Celeron® N and J Series processors	CONNECTIVITY Gb Ethernet, RS485, CAN, RS232, USB, Digital I/O
GRAPHICS Integrated Gen11 UHD Graphics controller supporting 3 independent displays	MEMORY Quad Channel LPDDR4x Soldered Down with IBCEC



MAIN FIELDS OF APPLICATION



Coffee & Vending



Medical



Industrial Automation



Smart Buildings & Smart Cities



Digital Signage

FEATURES

Processor	Intel® Atom® x6000E, Pentium® and Celeron® N and J Series "Elkhart Lake" CPUs:	Graphics Integrated Gen11 UHD Graphics controller with up to 32 EU 4K HW decoding and encoding of HEVC (H.265), H.264, VP8/VP9, WMV9/VC1 (decoding only) DirectX 12.1, OpenGL ES 3.1, OpenGL 4.5, OpenCL™ 1.2, Vulkan 1.0
	<ul style="list-style-type: none"> Celeron® J6413 Quad Core @ 1.8GHz (3.0GHz Turbo) 10W TDP - Comm. Temp. Range Celeron® N6211 Dual Core @ 1.2GHz (3.0GHz Turbo) 6.5W TDP - Comm. Temp. Range Pentium® J6426 Quad Core @ 2GHz (3.0GHz Turbo) 10W TDP - Comm. Temp. Range Pentium® N6415 Quad Core @ 1.2GHz (3.0GHz Turbo) 6.5W TDP - Comm. Temp. Range Atom® x6211E Dual Core @ 1.3GHz (3.0GHz Turbo) 6W TDP w/ IBCEC and IHS - Ind. Temp. Range Atom® x6413E Quad Core @ 1.5GHz (3.0GHz Turbo) 9W TDP w/ IBCEC and IHS - Ind. Temp. Range Atom® x6425E Quad Core @ 2GHz (3.0GHz Turbo) 12W TDP w/ IBCEC and IHS - Ind. Temp. Range Atom® x6212RE Dual Core @ 1.2GHz (no Turbo) 6W TDP w/ IBCEC, IHS and TCC - Ind. Temp. Range Atom® x6414RE Quad Core @ 1.5GHz (no Turbo) 9W TDP w/ IBCEC, IHS and TCC - Ind. Temp. Range Atom® x6425RE Quad Core @ 1.9GHz (no Turbo) 12W TDP w/ IBCEC, IHS and TCC - Ind. Temp. Range Atom® x6427FE Quad Core @ 1.9GHz (no Turbo) 12W TDP w/ IBCEC, IHS and TCC, FuSa Certified - Ind. Temp. Range Atom® x6200FE Dual Core @ 1.0GHz (no Turbo) 4.5W TDP no Graphics w/ IBCEC, IHS and TCC, FuSa Certified - Ind. Temp. Range 	
	Video Resolution 15.6" display, resolution 1920 x 1080, LED lifetime 50K hours, 400cd/m ² brightness P-Cap (Projected Capacitive touch screen), with 3.0mm chemically strengthened cover glass	
	Mass Storage SDIO interface eMMC 5.1 drive soldered on-board (Safety Related)	
	Networking 1x Gigabit Ethernet interfaces, opt. Wi-Fi + BT5.0	
	USB 1x USB C Dual Role 1x USB 2.0 Type A	
	Serial Ports 2x RS-232, 1x RS-485	
	Other Interfaces 1x I ² C, SPI, 2x Digital In, 2x Digital Out	
	Power Supply 9 VDC ± 32 VDC	
	Operating System Edgehog OS (Yocto)	
CAN Bus 1x CAN-FD		
Operating Temperature* 0 ÷ 60 °C		
Memory 32-bit LPDDR4x Soldered Down Memory Up to 16GB Quad Channel with In-Band Error Correction Code (IBCEC, Safety Related feature) supported 1GB or 2GB Single Channel, 4GB Dual Channel, 8GB or 16GB Quad Channel supported Speed: 4267MT/s single rank (1GB / 2GB / 4GB / 8GB), 3733MT/s dual rank (16GB)	(*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.)	

