



# LUMIA EdgeHMI

	Embedded - HMI	Embedded - HMI + PLC	IPC
O.S.	Linux Debian 10	Linux Debian 10 + Raspbian OS	Windows 10 LTSC 2019
Application software	Kreo HMI	Kreo HMI + Codesys 3.x	Kreo HMI
Display Size	10,1" (1280 x 800) 15,6" (1366 x 768) 21,5" (1920x 1080) 27" (1920 x 1080)		
Display technology	TFT		
Display Backlight	Led		
Display Colors	16M		
Touch Technology	Capacitive		
Bezel / Chassis	Aluminium		
Processor - HMI	RK3399 Dual-core Cortex-A72 + Quad-core Cortex-A53	RK3399 Dual-core Cortex-A72 + Quad-core Cortex-A53	Celeron Quad Core J3455 – 2,3 GHz Intel Core i3-7100U 2,4 GHz Intel Core i5-7300U 3,5 GHz Intel Core i7-7600U 2,8 GHz
Processor - PLC		Broadcom BCM2711, Cortex A72 QC	
Chipset			SoC
GPU			Celeron Quad Core J3455 - HD Graphics 500 Intel Core i3-7100U – HD Graphics 620 – up to 1 GHz Intel Core i5-7300U – HD Graphics 620 – up to 1 GHz Intel Core i7-7600U – HD Graphics 620 – up to 1 GHz
RAM - HMI	2G DDR4	2G DDR4	Celeron Quad Core J3455 – 4GB DDR3L up to 8 GB DDR3L Intel Core i3-7100U 2,4 GHz Intel Core i5-7300U 3,5 GHz Intel Core i7-7600U 2,8 GHz 4GB up to 16 GB DDR4
RAM - PLC		4GB LPDDR4	
Mass storage - HMI	16GB eMMC	16GB eMMC	256 GB SSD 512GB SSD 1TB SSD
Mass storage - PLC		16GB micro SD	
Ethernet Port - HMI	1*1Gb+1*100Mb	1*1Gb+1*100Mb	Celeron Q.C.J3455 –2x1Gb RJ45 Intel I211AT Intel Core 7GEN - 2x 1Gb RJ45 Intel I210AT/I219LM
Ethernet Port - PLC		1*1Gb	
Realtime fieldbus		Ethercat master	



Wifi - HMI	2,5 / 5 GHZ support (client)		
Wifi - PLC		2,5 / 5 GHZ support (client/hotspot)	
COM Port			1x RS232/RS485
USB Port	1xUSB3.0 + 1xUSB2.0	1xUSB3.0 + 1xUSB2.0 2 x USB 3.0; 2 x USB 2.0	Celeron QC J3455 – 2 x 3.1 Intel Core 7th GEN – 4 x 3.0
Power Supply (Vdc)	12 – 32V DC		
Consumption (W)	12W 10,1" 18W 15,6" 28W 21" 28W 27"	14W 10,1" 20W 15,6" 30W 21" 30W 27"	30W 10,1" 35W 15,6" 50W 21" 50W 27"
Operating Temperature (°C)	0 ... + 50 °C		
Storage Temperature (°C)	-20 ... + 65 °C		
Humidity	<90% (non condensing)		
External dimensions(W/H /D) (mm)	10" panel - 269 x 190 x 44.1 15" panel - 402.4 x 251.7 x 47.4 15" vesa - 381 x 231.3 x 59.3  10" vesa 250.6 x 171.6 x40,1  21.5" vesa 530 x 320 x 60 21,5" panel 560 x350 x50  27" vesa 648,4x 385,5 x 66,5 27" panel 683 x 420 x 60	10" panel - 269 x 190 x 69.4 15" panel - 402.4 x 251.7 x 72.7 15" vesa - 381 x 231.3 x 59.3  -  21.5" vesa 530 x 320 x 60 21,5" panel 560 x350 x70  27" vesa 648,4x 385,5 x 66,5 27" panel 683 x 420 x 70	10" panel 69 x 190 x 70x2 15" panel 402.4 x 251.7 x 73..4 15" vesa 381 x 231.3 x 80.65  21.5" vesa 530 x 320 x 80 21,5" panel 560 x350 x75  27" vesa 648,4x 385,5 x 85 27" panel 683 x 420 x 75
Cut-out dimensions (W/H)(mm)	10" panel - 258.5 x 179.5 15" panel - 390 x 239  21" 547x337 27" 670 x 406		



Weight (kg)	10" 5 15" 6,5 21,5 8KG 27" 10Kg
Protection degree	Panel – IP66 front Vesa – IP66 all around
	<p>CE - RED (2014/53/EU): Safety: EN 62368-1:2020 + A11:2020 Health: EN 62479:2010 EMC: ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09) Radio: ETSI EN 300 328 V2.2.2, ETSI EN 301 893 V2.1.1 (2017-05) UL/ATEX/DNV available soon</p> <p>CE UL/ATEX/DNV available soon</p>