



OVERVIEW C4 CONTROLLER

GENERAL												INTERFACES			EXTENSIONS				OS SUPPORT			INFO						
HOUSING	POWER SUPPLY 12-48V=	RASPBERRY® Controller	CPU Quad core 64-bit ARM-Cortex A72@1.5GHz	RAM in GB	SD CARD exchangeable, in GB	HDMI Micro HDMI 4K	AUDIO+COMPOSITE TV 4-ring TRS A/V jack	WIFI+ BLUETOOTH 802.11 b/g/n/ac Wireless LAN Bluetooth 5.0 with BLE	DIP SWITCHES 8 switches	LEDs	REMARK			ETHERNET Gigabit	USB 2.0	RS485		REAL TIME CLOCK accu buffered	ferromagnetic RAM 2kbyte	ARM coprocessor supports DIP switch, LEDs and all serial interfaces	ARM coprocessor supports all integrated IOs		LINUX® Standard Raspberry® distribution	CODESYS® preinstalled runtime	SPECIAL OS preinstalled	CATALOG page		
RESI-C4-xx Raspberry PI Compute Module 4® based LINUX controller with integrated IOs – basic versions																												
RESI-C4-A-2GB	XT4	X	CM4	X	2	32	1	NO	NO	1	3	1		1	2	1		X	X	X	X		X				C4-36	
RESI-C4-A-4GB	XT4	X	CM4	X	4	32	1	NO	NO	1	3	1		1	2	1		X	X	X	X		X				C4-36	
RESI-C4-A-8GB	XT4	X	CM4	X	8	32	1	NO	NO	1	3	1		1	2	1		X	X	X	X		X				C4-36	
-4GB	Addon price for 4GB RAM				4																							
-8GB	Addon price for 8GB RAM				8																							
RESI-C4-xx Raspberry PI Compute Module 4® based LINUX controller with additional Ethernet interface																												
-2E	Please add -2E to the order number NOTE: Not all combinations of integrated IOs with this 2nd Ethernet are possible										4																	C4-37
RESI-C4-xx Raspberry PI Compute Module 4® based LINUX controller with additional LTE IoT M1 modem																												
-M1	Please add -M1 to the order number NOTE: Not all combinations of integrated IOs with this modem are possible										2																	
RESI-C4-xx Raspberry PI Compute Module 4® based LINUX controller with additional LTE modem																												
-LTE	Please add -LTE to the order number NOTE: Not all combinations of integrated IOs with this modem are possible										3																	
GENERAL																												
HOUSING	MODEM INTEGRATED LTE NB IoT M1 or LTE modem	ETHERNET	RS485	REMARK																								
RESI-C4-xx Raspberry PI Compute Module 4® based LINUX controller – Order code samples																												
RESI-C4-A-2GB	XT4	NO	1	1	Controller with xGB RAM and no IOs																							
RESI-C4-A-2GB-M1	XT4	YES	1	1	Controller with xGB RAM, no IOs and with integrated NB IoT modem M1																							
RESI-C4-A-2GB-LTE	XT4	YES	1	1	Controller with xGB RAM, no IOs and with integrated LTE modem																							
RESI-C4-A-xxx-2GB	XT4	NO	1	1	Controller with xGB RAM and xxx integrated IOs																							
RESI-C4-A-xxx-2GB-M1	XT4	YES	1	1	Controller with xGB RAM, xxx integrated IOs and with integrated NB IoT modem M1																							
RESI-C4-A-xxx-2GB-LTE	XT4	YES	1	1	Controller with xGB RAM, xxx integrated IOs and with integrated LTE modem																							

	GENERAL						DIGITAL										ANALOGUE				LED STRIPES		INFO		
	HOUSING	MODEM SUPPORT LTE NB IoT M1 or LTE modem	ETHERNET	RS485	REMARK		DIGITAL INPUTS DC signals ≤48V =	DIGITAL INPUTS AC/DC signals ≤250V ~	DIGITAL OUTPUTS ≤30V ~ 700mA/channel	DIGITAL OUTPUTS ≤30V ~ with current measurement	RELAY OUTPUTS Ag5NO ₂ ≤30V ~ ≤250V ~ ≤8A	RELAY OUTPUTS Ag5NO ₂ ≤30V ~ ≤250V ~ ≤6A	BISTABLE RELAY OUTPUTS Ag5NO ₂ ≤30V ~ ≤250V ~ ≤8A	BISTABLE RELAY OUTPUTS Ag5NO ₂ ≤250V ~ ≤16A	SOLID STATE OUTPUTS ≤230V ~ ≤1A	SOLID STATE OUTPUTS ≤60V ~ ≤3A	SOLID STATE OUTPUTS ≤60V ~ ≤6A		UNIVERSAL IN/OUTPUTS 0-10V = 0/4-20mA RTD sensors 0-1mΩ LOGIC INPUT ≤40V ≤1.8mA	ANALOGUE INPUTS 0-10V =	ANALOGUE OUTPUTS 0-10V =	TEMPERATURE SENSOR INPUTS PT100 PT1000 NI1000 NI120 ...	LED STRIPES PWM DIMMER Constant Voltage ≤60V = ≤1.5A	LED STRIPES intelligent WS28xx + 5V or +12V	CATALOG page
RESI-C4-xx Raspberry PI Compute Module 4© based LINUX controller with integrated DIGITAL INPUTS																									
RESI-C4-A-14RI-2GB	XT8	YES	1	1			14																		C4-38
RESI-C4-A-48RI-2GB	XT12	YES	1	1			48																		C4-39
RESI-C4-A-6DI-2GB	XT4	NO	1	1			6																		C4-40
RESI-C4-A-12DI-2GB	XT4	NO	1	1			12																		C4-41
RESI-C4-A-24DI-2GB	XT4	NO	1	1			24																		C4-42
RESI-C4-A-32DI-2GB	XT4	YES	1	1			32																		C4-43
RESI-C4-A-64DI-2GB	XT12	YES	1	1			64																		C4-44
RESI-C4-A-128DI-2GB	XT12	YES	1	1			128																		C4-45
RESI-C4-A-152DI-2GB	XT12	YES	1	1			152																		C4-46
C4-xxx – DIGITAL OUTPUTS																									
RESI-C4-A-6DO-2GB	XT4	NO	1	1				6																	C4-47
RESI-C4-A-12DO-2GB	XT4	NO	1	1				12																	C4-48
RESI-C4-A-24DO-2GB	XT4	NO	1	1				24																	C4-49
RESI-C4-A-30DO-2GB	XT8	YES	1	1				30																	C4-50
RESI-C4-A-60DO-2GB	XT12	YES	1	1				60																	C4-51
RESI-C4-A-90DO-2GB	XT12	YES	1	1				90																	C4-52
RESI-C4-A-12DOI-2GB	XT4	NO	1	1					12																C4-53
RESI-C4-A-8CO-2GB	XT8	YES	1	1	A					8															C4-54
RESI-C4-A-8COBI-2GB	XT8	YES	1	1	A							8													C4-55
RESI-C4-A-8RO-2GB	XT8	YES	1	1	C							8													C4-56
RESI-C4-A-12RO-2GB	XT8	YES	1	1	B							12													C4-57
RESI-C4-A-16RO-2GB	XT12	YES	1	1	C							16													C4-58
RESI-C4-A-24RO-2GB	XT12	YES	1	1	B							24													C4-59
RESI-C4-A-8PO-2GB	XT12	YES	1	1	B									8											C4-64
RESI-C4-A-10SSR-1A-2GB	XT8	YES	1	1	B									10											C4-60
RESI-C4-A-10SSR-3A-2GB	XT8	YES	1	1	B											10									C4-60
RESI-C4-A-10SSR-6A-2GB	XT8	YES	1	1	B												10								C4-60
RESI-C4-A-20SSR-1A-2GB	XT12	YES	1	1	B									20											C4-61
RESI-C4-A-20SSR-3A-2GB	XT12	YES	1	1	B											20									C4-61
RESI-C4-A-20SSR-6A-2GB	XT12	YES	1	1	B												20								C4-61
C4-xxx – DIGITAL INPUTS & OUTPUTS																									
RESI-C4-A-6DI6DO-2GB	XT4	NO	1	1			6		6																C4-66
RESI-C4-A-12DI12DO-2GB	XT4	NO	1	1			12		12																C4-67
RESI-C4-A-16DI15DO-2GB	XT8	YES	1	1			16		15																C4-68
RESI-C4-A-32DI30DO-2GB	XT12	YES	1	1			32		30																C4-69
RESI-C4-A-64DI60DO-2GB	XT12	YES	1	1			64		60																C4-70
RESI-C4-A-76DI72DO-2GB	XT12	YES	1	1			76		72																C4-71
RESI-C4-A-10RI8RO-2GB	XT8	YES	1	1	C			10				8													C4-72
RESI-C4-A-20RI16RO-2GB	XT12	YES	1	1	C			20				16													C4-73
RESI-C4-A-32DI12RO-2GB	XT12	YES	1	1	C		32					12													C4-74
RESI-C4-A-32DI24RO-2GB	XT12	YES	1	1	C		32					24													C4-75
RESI-C4-A-44DI12DO24RO-2GB	XT12	YES	1	1	C		44		12			24													C4-76
RESI-C4-A-7RI5SSR-1A-2GB	XT8	YES	1	1	B			7							5										C4-62
RESI-C4-A-7RI5SSR-3A-2GB	XT8	YES	1	1	B			7								5									C4-62
RESI-C4-A-7RI5SSR-6A-2GB	XT8	YES	1	1	B			7									5								C4-62
RESI-C4-A-14RI10SSR-1A-2GB	XT12	YES	1	1	B			14							10										C4-63
RESI-C4-A-14RI10SSR-3A-2GB	XT12	YES	1	1	B			14								10									C4-63
RESI-C4-A-14RI10SSR-6A-2GB	XT12	YES	1	1	B			14									10								C4-63
RESI-C4-A-16RI8PO-2GB	XT12	YES	1	1	B			16					8												C4-65
C4-xxx – DIGITAL INPUTS & OUTPUTS – SPECIAL PURPOSE																									
RESI-C4-A-4SB-2GB	XT8	YES	1	1	CD							8													C4-77
RESI-C4-A-8SB-2GB	XT12	YES	1	1	CD							16													C4-78
RESI-C4-A-10RI4SB-2GB	XT8	YES	1	1	CD			10				8													C4-79
RESI-C4-A-20RI8SB-2GB	XT12	YES	1	1	CD			20				16													C4-80
C4-xxx – ANALOGUE INPUTS																									
RESI-C4-A-12AIU-2GB	XT8	YES	1	1														12							C4-85
RESI-C4-A-8RTD-2GB	XT8	YES	1	1	E																8				C4-87
RESI-C4-A-8RTD2-2GB	XT8	YES	1	1	F																	8			C4-88
C4-xxx – ANALOGUE OUTPUTS																									
RESI-C4-A-12AOU-2GB	XT8	YES	1	1																	12				C4-86
C4-xxx – ANALOGUE INPUTS & OUTPUTS																									
RESI-C4-A-4AIOX-2GB	XT4	NO	1	1														4							C4-82
RESI-C4-A-8AIOX-2GB	XT4	NO	1	1														8							C4-83
RESI-C4-A-16AIOX-2GB	XT4	NO	1	1														16							C4-84

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