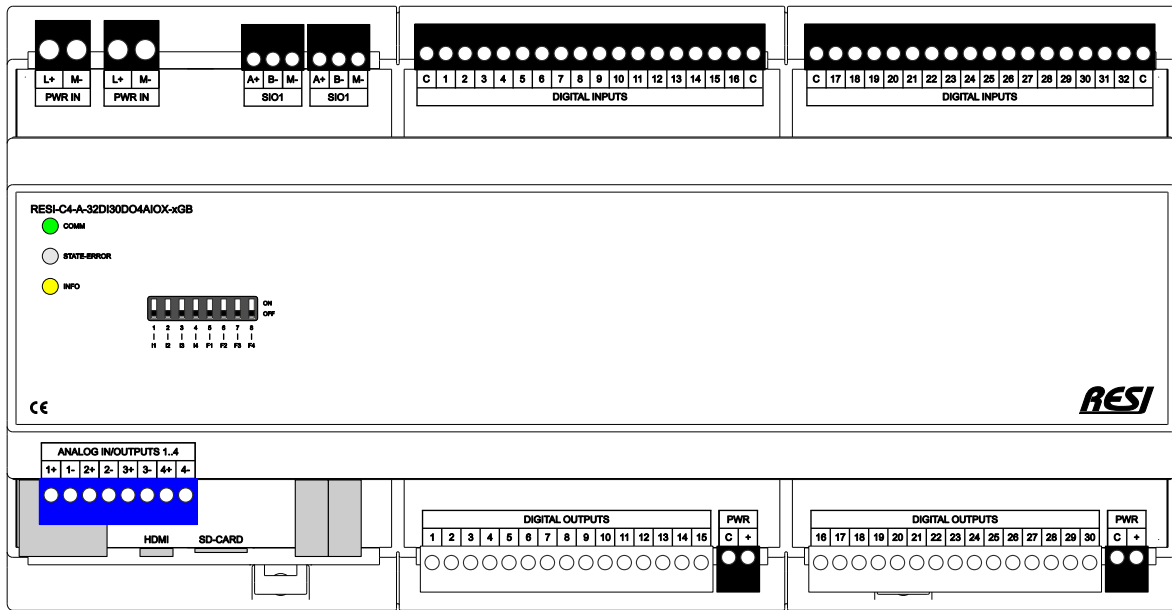


# RESI-C4-A-32DI30DO4AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available. The controller offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.



32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
30 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 2 groups with 15 outputs each.  Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
4 Universal Channels  Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4...20mA ANALOG OUTPUT 0/2...10V or 0/4...20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ  LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit  0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

**Functionality**  
IoT controller with 32 digital inputs for 12-48Vdc signals, 30 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:  
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact