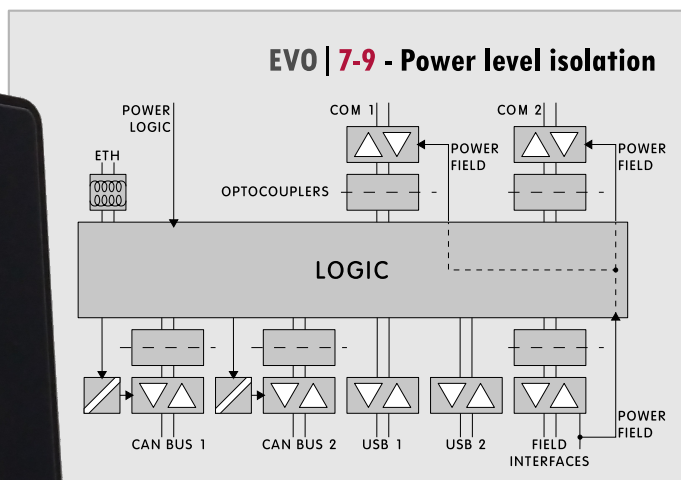


EVO | 7-9



COMPLETE NUMERIC CONTROL
RESISTIVE TOUCH SCREEN
BRIGHT WIDESCREEN 7" DISPLAY
FULL ON BOARD I/Os
CAN OPEN COMMUNICATION
ETHERNET CONNECTION
CUSTOMIZABLE FACEPLATE

EVO | 7-9 - Features

TECHNICAL SPECS	
Controller	PowerPC MPC5200
Realtime clock	Battery buffered
Display	STN B/W or TFT 256 or 64000 colors
Touch screen	Anaog resistive
Resolution	320 x 240 → 800 x 600
Operating System	Linux RTAI / XENOMOI based
Isolation	500V rms
Dimensions	212x156x60 - 356x265x80 mm
Weight	700 - 1900 g
Operating/Storage temperature	0C...+55C/-25C...+85C
Max relative humidity	95%, no condensation
Power level separations	Field-CPU CANbus-CPU serial-CPU ethernet-CPU
Current CPU consumption	1 A
Protection class	Faceplate: IP65 - Rear enclosure: IP20
Vibration/Shock resistance	EN 60068-2-6 / EN 60068-2-27/ 29
EMC/ESD resistance	EN 61000-6-2 (EN 50082) / EN 61000-6-4 (EN 50081)
PDO configuration	16 bits



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<http://www.can-cia.org>



Full Numeric Control Environment
Need to execute G-Code?
EVO can control up to 16
interpolated axis in realtime

I/Os

Number of High Speed PNP inputs	16
Nominal voltage	24VDC / 5VDC (selectable via internal dip-switch)
0 signal voltage	-3...3V (-0.5...+1V)
1 signal voltage	15...30V (2...5V)
Max frequency	200kHz
Input current	10mA typ.
Applications	Std. inputs, monodirectional counters, quadrature encoders

Number of analog inputs	Up to 4 differential or 8 single ended (software selectable)
Input voltage	0...10V / 0...+3.3V (software selectable)
Resolution	14 / 16 bits
Gain	1 / 4 / 50 / 200 (software selectable)
Filter	No
Conversion time	1 ms

Number of high speed PNP outputs	8
Max current	500mA
Short circuit protection	Yes
Applications	PWM up to 50kHz

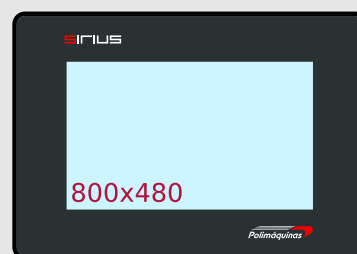
Number of analog outputs	8
Output voltage	-10...10V
Resolution	12 bits

EVO | 7-9 - Sizes

WIDTH	HEIGHT	DEPTH	WEIGHT
220mm	154mm	50mm	900g

7" high brightness LCD is our best seller. It has a comfortable view area with enough pixels to display modern complex interfaces

Faceplate - Anodized Aluminium with Polycarbonate protection.



The SIRIUS EVO PLCs range gives excellent performances in little space at a very reasonable cost: HMI, PLC, CNC and I/O in one single unit, expandable, having the size of an HMI. The complete version of EVO is distinctive because of the additional number of high speed inputs and outputs in comparison with the intermediate model. Being particularly compact this equipment is indicated for use wherever potency, size and good prices are

EVO | 7-9 - Connections

The 7-9 version is suitable for the creation of very compact machines and the elimination of costly peripheric wiring jobs. The configuration adds an ample terminal board to the basic model, which includes:

- Inputs for reading potentiometers and pushbuttons
- High speed input for reading encoders
- Outputs for piloting signal lights
- High speed outputs for piloting stepper motors

