



NEW!

MiniMax Series

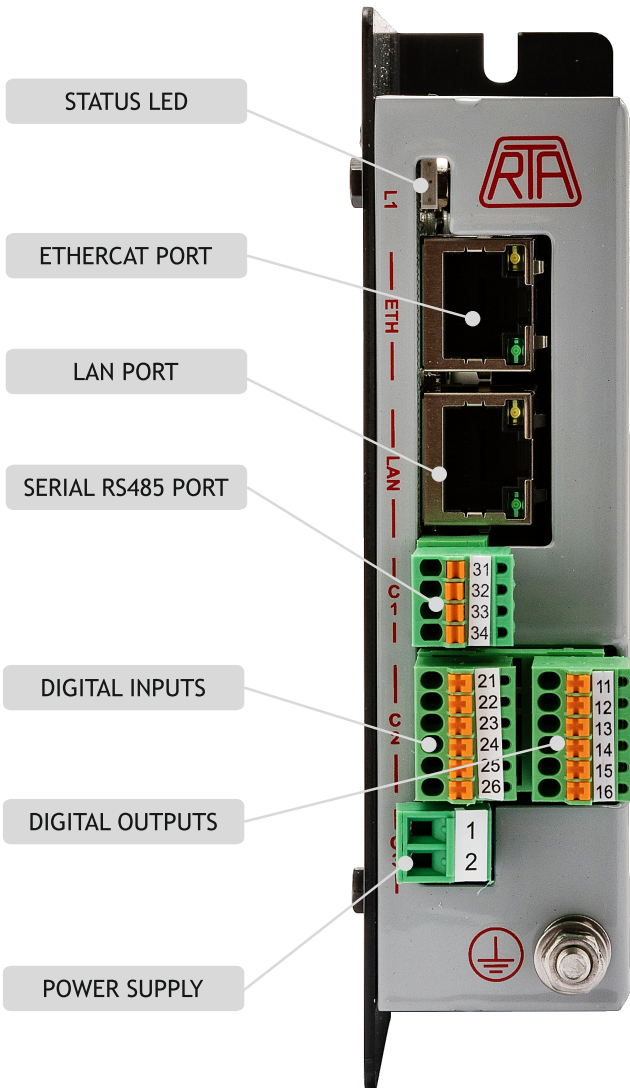
EtherCAT[®]  PLC + I/O



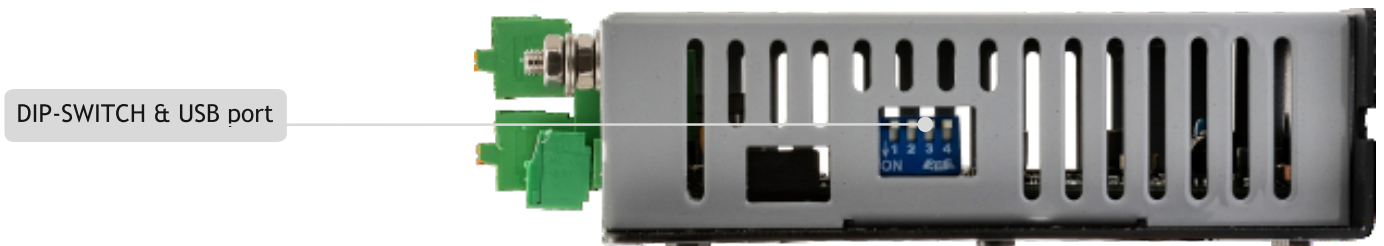
DESIGNED & DEVELOPED
**100%
RTA**

MiniMax is the new EtherCAT PLC series designed and completely developed by **RTA**, which grants easy configuration and programming for stepper and servo drives. It allows to develop EtherCAT automation solutions ranging from basic to medium complexity. A useful Modbus TCP/IP server is featured on the additional LAN Port: **MiniMax** can easily be connected and integrated with HMI's, third party PLCs, Industrial PCs and other network devices.

MiniMax PLC Series Features



- RTA Studio: unique software environment for configuration and debugging
- Smart Structured Text programming language with built-in function libraries
- Full RTA and SANYO DENKI EtherCAT drives compatibility
- Easy integration with other automation systems by Modbus TCP/IP, UDP and Modbus RTU
- Up to 20 realtime parallel processes
- Compact Size: 32x130x106 mm
- Advanced Axes Motion Interpolation
- 5 Digital Inputs + 5 Digital Outputs
- **RTA Wiki** platform available for further technical insights

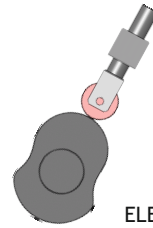


Discover the potentialities of the Series: check the **MiniMax Series** presentation inside the RTA official YouTube Channel

MiniMax versions comparison

MiniMax A1	MiniMax R2
8 basic axes*	20 basic axes
2 advanced axes▲	20 advanced axes

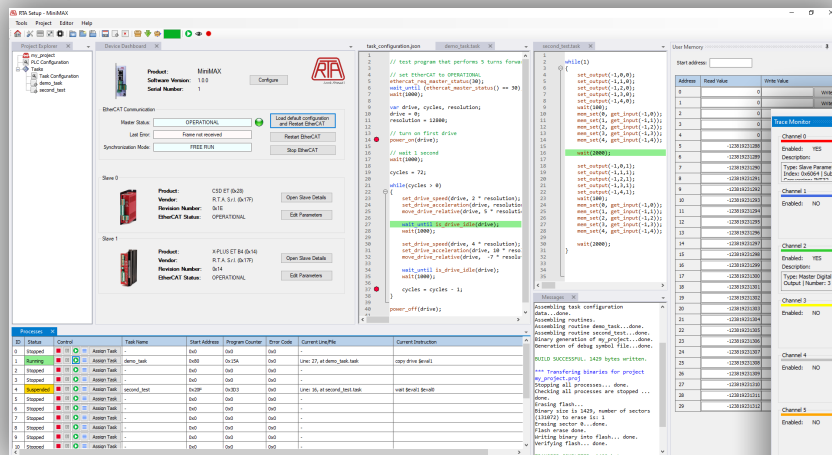
- * Basic axes: point to point movements and homing (CSP mode of operation)
- ▲ Advanced axes: advanced axes interpolation, mechanical cam, gears and links



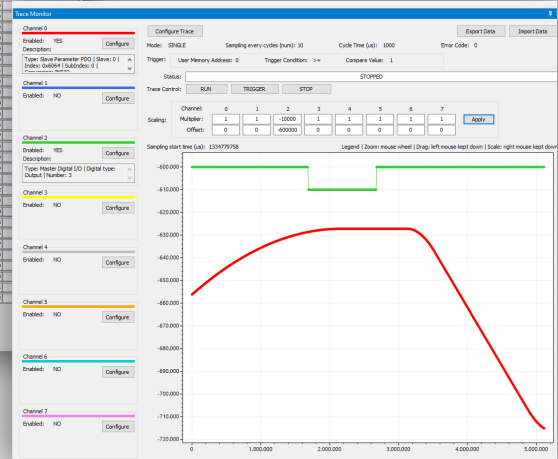
ELECTRICAL CAMS
MANAGEMENT

MiniMax Development Environment

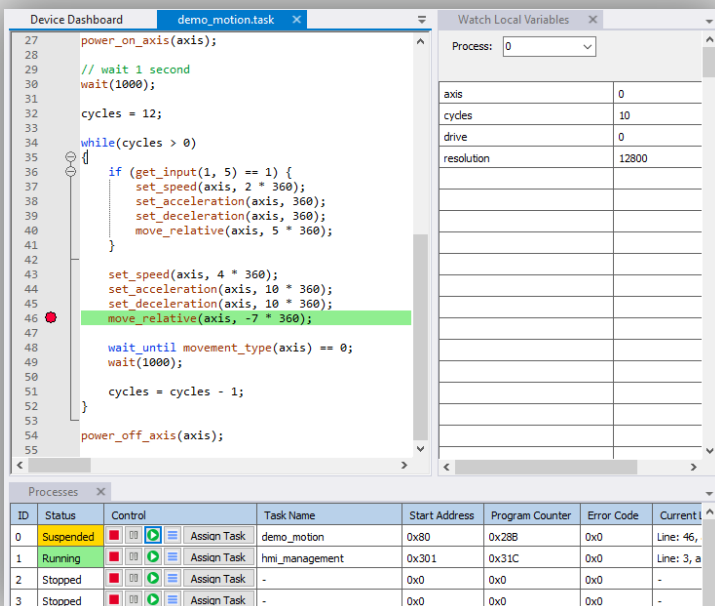
Complete integrated environment for Microsoft Windows



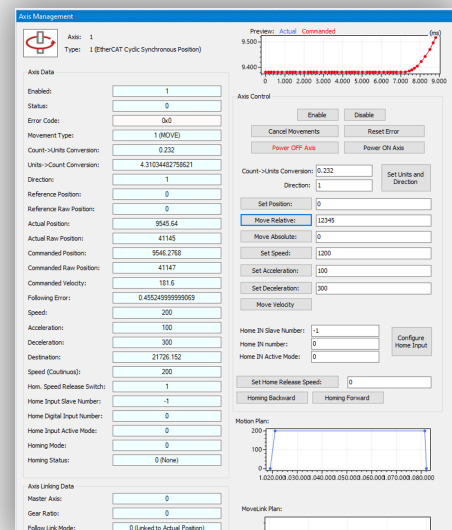
Trace monitoring of automation
process parameters



Easy programming language and debugging tools



Quick Axis settings and testing setup

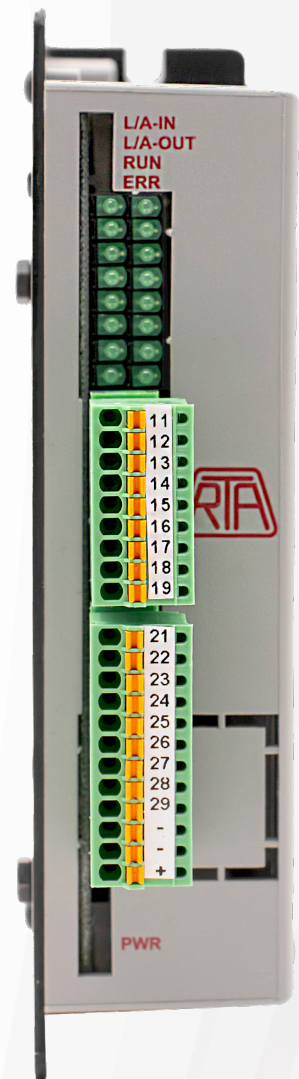


IOT ET D8.8 Module

The IOT module manages digital inputs/outputs, with integrated LED indication to display its status.

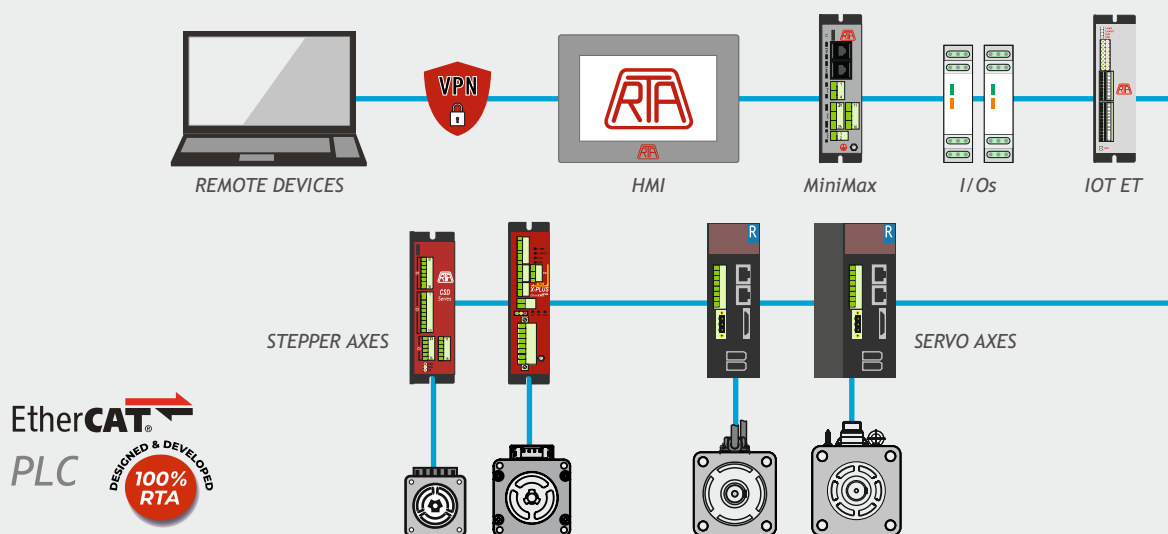
HIGHLIGHTS

- It receives digital logic commands, detect digital inputs status and controls digital outputs.
- EtherCAT[®] interface
- RTA's EtherCAT PLC *MiniMax* expansion or stand-alone unit
- 8 digital input
- 8 digital bi-directional output
- Power supply: 24 VDC
- Protections Over-Voltage and Shortcircuit for outputs



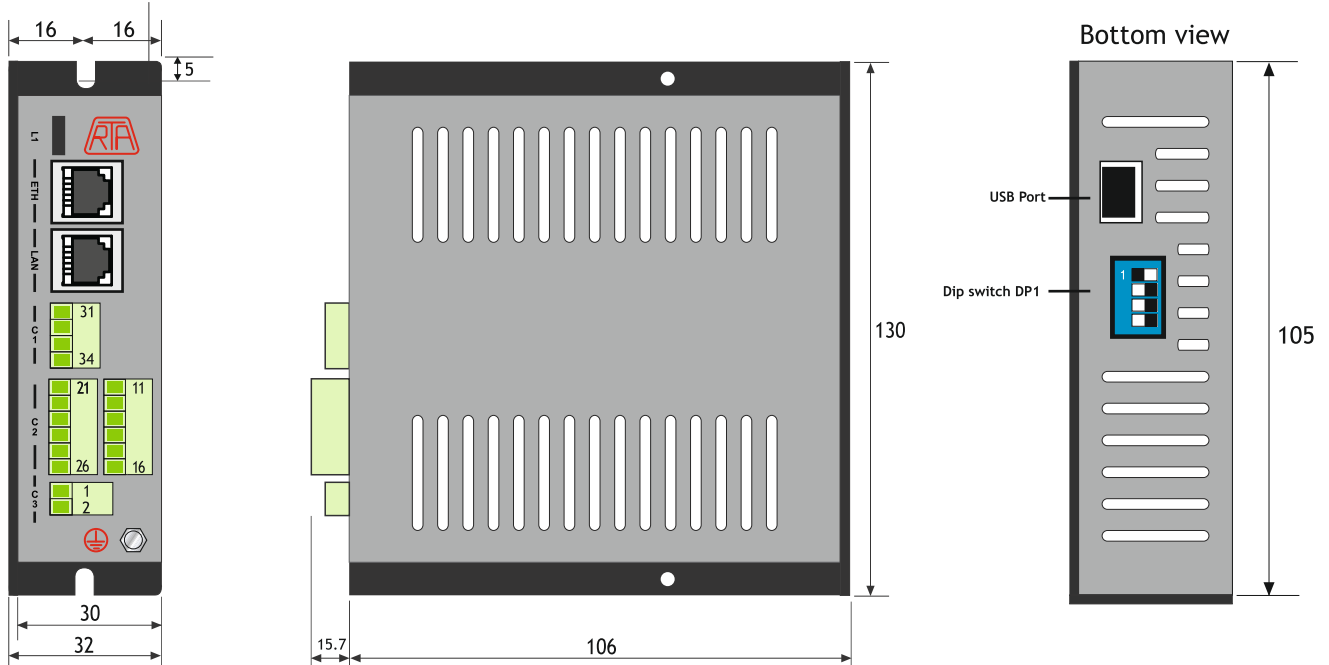
R.T.A. MiniMax SYSTEM EXAMPLE

UP TO 20 STEPPER & SERVO AXES



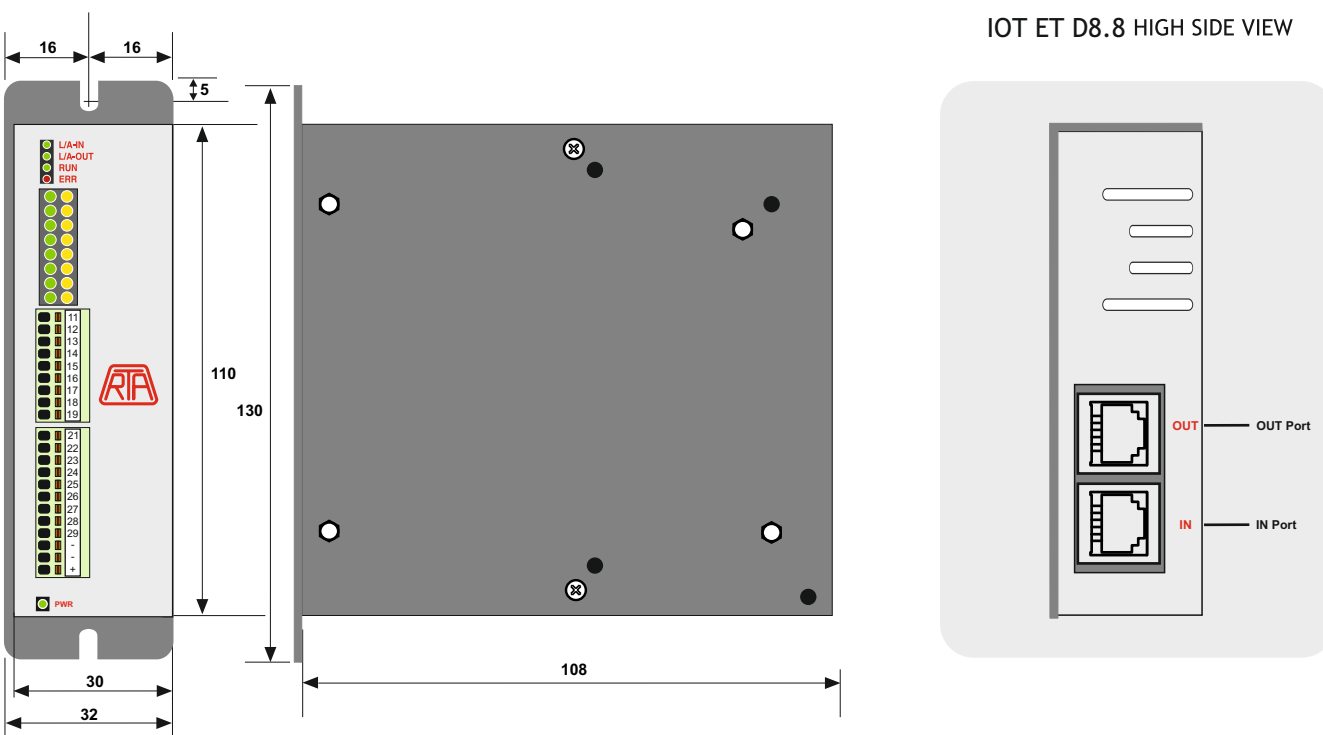
Mechanical dimensions

MiniMax R2 | MiniMax A1 - MiniMax Series



Dimensions in millimeters - Not in scale.

IOT ET D8.8 Module - MiniMax Series



Dimensions in millimeters - Not in scale.

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Look Ahead!



CATALOGUE
DIGITAL EDITION