MiniMax

EtherCAT® ➡ *PLC*

RTA
Look Ahead!

MiniMax is the new EtherCAT PLC 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 HMIs, third party PLCs, Industrial PCs and other network devices.
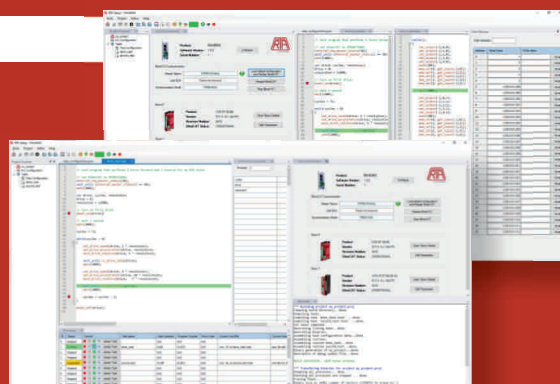
MAIN FEATURES

DESIGNED & DEVELOPED 100% RTA

▶ RTA Studio: unique software environment for configuration and debugging

▶ Smart Structured Text programming language

▶ Easy integration with other automation systems by Modbus TCP/IP and Modbus RTU

▶ Up to 20 realtime parallel processes
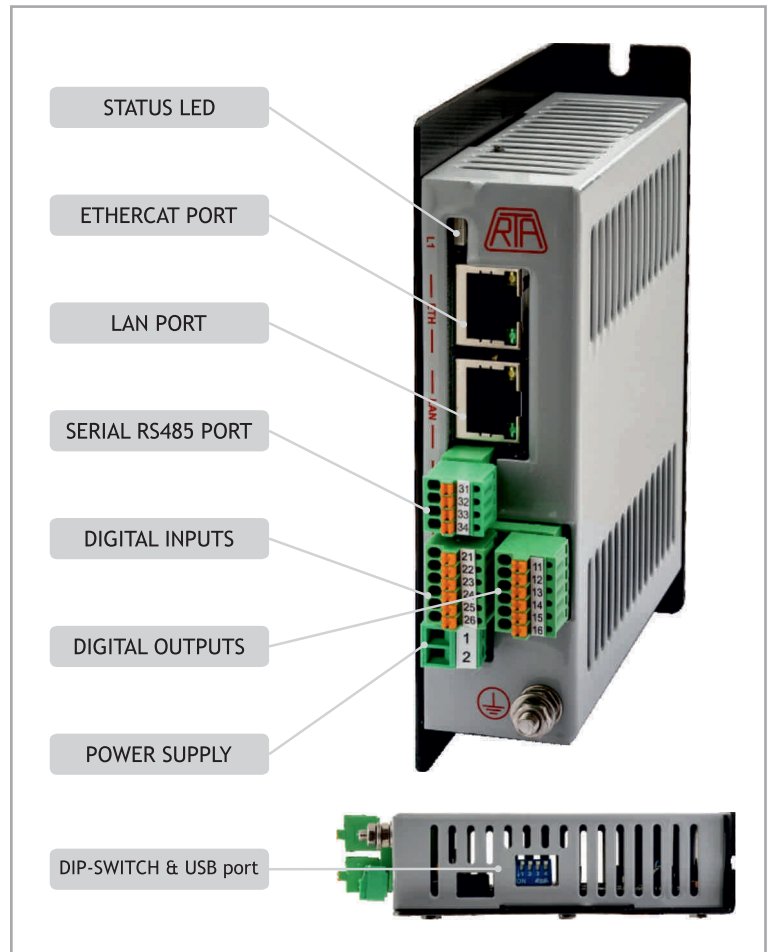
▶ Compact Size

EASY PROGRAMMING SYSTEM

The R.T.A. programming system provided by *MiniMax* is a simple and high level programming language specifically designed for automation control.

Thanks to its bytecode compilation, the fastest executing performance required for a realtime system is guaranteed.

MiniMax EtherCAT⇄ PLC

TECHNICAL HIGHLIGHTS

- Easy configuration and programming by *RTA Studio* software for Microsoft Windows

- Full RTA and SANYO DENKI EtherCAT drives compatibility

- Simple structured text programming with built-in function libraries

- Ultra compact size (32x130x106mm - lxhxd)

- Dual core 480 Mhz ARM Processor with 64-bit precision float unit

- 5 Digital Inputs + 5 Digital Outputs

- 500 KB user program space

- Wide free user memory with +16000 registers (double float), 4000 retentive

STATUS LED

ETHERCAT PORT

LAN PORT

SERIAL RS485 PORT

DIGITAL INPUTS

DIGITAL OUTPUTS

POWER SUPPLY

DIP-SWITCH & USB port

R.T.A. *MiniMax* SYSTEM EXAMPLE

UP TO 8 STEPPER & SERVO AXIS

REMOTE DEVICES

VPN

HMI

PLC

I/Os

STEPPER AXES

SERVO AXES