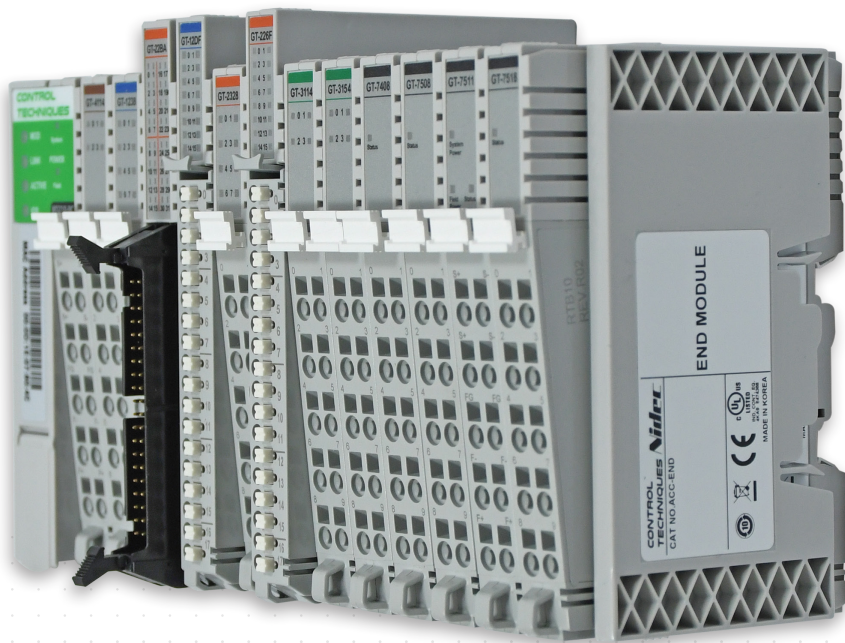


CONTROL TECHNIQUES



REMOTE I/O

EtherCAT
INDUSTRIAL CONTROL

NEW

DRIVE OBSESSED

EtherCAT REMOTE I/Os

EASY CONNECTION OF ANALOGUE AND DIGITAL INPUT AND OUTPUT SIGNALS

Control Techniques has set the standards in motor control since 1973.

I/O Modules enable process control without PLC

Process control applications often use a PLC system to manage the process, using I/O to communicate with sensors attached to the machines involved.

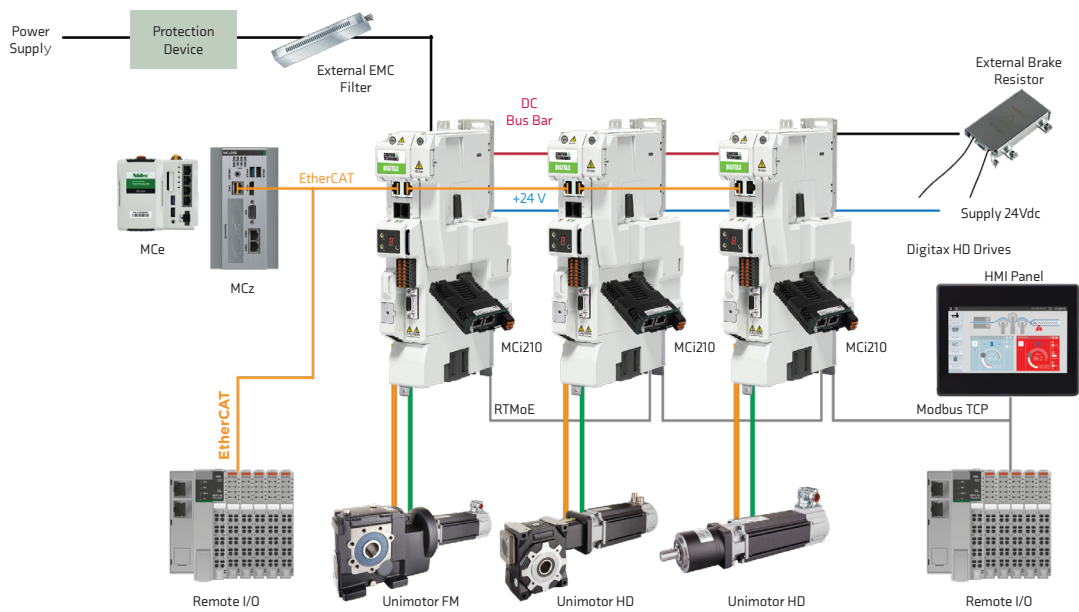
Now, a series of I/O modules is available for Control Techniques' drives. They are designed to enable applications of moderate complexity to be managed without the need for a PLC system, but directly using the drive itself. The first two products are an EtherCAT Remote I/O module, and a RTMoE or Modbus TCP Remote I/O module. Additional products may be added to the series in due course, according to demand.



EtherCAT Remote I/Os

In this configuration, add-on EtherCAT Remote I/O modules connect via the on-board EtherCAT port of the MCE or MCz controllers, or through any EtherCAT port on any PLC or controller.

A typical scalable configuration (as shown below) would feature the EtherCAT Remote I/O module, used together with MCE or MCz controllers, MCI2XX Machine Control option modules, Machine Control Studio software and the MCh040/MCh070 HMI Panels. All sensor inputs and outputs can be controlled, including LEDs, pushbuttons, temperature controls, machine status indicators and fluid flow sensors.



Supported slices and part numbers

Network Adapter	CT Part Number
EtherCAT Network Adapter	I0201-BC
Digital Input	CT Part Number
DI 8 PTs, Universal (Sink or Source), 24Vdc, 10RTB	RT-1238
DI 16 PTs, Universal (Sink or Source), 24Vdc, 18RTB	RT-12DF
Digital Output	CT Part Number
DO 8 PTs, Sink, 24Vdc/0.5A, 10RTB	RT-2318
DO 8 PTs, Source, 24Vdc/0.5A, 10RTB	RT-2328
DO 16 PTs, Sink, 24Vdc/0.3A, 18RTB	RT-225F
DO 16 PTs, Source, 24Vdc/0.3A, 18RTB	RT-226F
Analogue Input	CT Part Number
AI, 4 CHs, 0~20, 4~20mA, 12Bits, 10RTB	RT-3114
AI, 4 CHs, 0~20, 4~20mA, 16Bits, 10RTB	RT-3154
AI, 8 CHs, 0~20, 4~20mA, 12Bits, 10RTB	RT-3118
AI, 4 CHs, 0~10, 0~5, 1~5Vdc, 12Bits, 10RTB	RT-3424
AI, 4 CHs, 0~10, 0~5, 1~5Vdc, 16Bits, 10RTB	RT-3464
AI, 8 CHs, 0~10, 0~5, 1~5Vdc, 12Bits, 10RTB	RT-3428
Differential type, 4 CHs, 0~20, 4~20, +/-20mA, 12Bits, 10RTB	RT-3914
Differential type, 4 CHs, 0~20, 4~20, +/-20mA, 16Bits, 10RTB	RT-3934
Differential type, 4 CHs, 0~5, 0~10, +/-5, +/-10Vdc, 12Bits, 10RTB	RT-3924
Differential type, 4 CHs, 0~5, 0~10, +/-5, +/-10Vdc, 16Bits, 10RTB	RT-3944

Analogue Output	CT Part Number
AO, 4 CHs, 0~20mA, 12Bits, 10RTB	RT-4114
AO, 4 CHs, 0~20mA, 16Bits, 10RTB	RT-4154
AO, 8 CHs, 0~20mA, 12Bits, 10RTB	RT-4118
AO, 8 CHs, 0~20mA, 16Bits, 10RTB	RT-4158
AO, 4 CHs, 0~10Vdc, 12Bits, 10RTB	RT-4424
AO, 4 CHs, 0~10Vdc, 16Bits, 10RTB	RT-4464
AO, 8 CHs, 0~10Vdc, 12Bits, 10RTB	RT-4428
System Module	CT Part Number
Shield Module, ID Type	RT-7008
Common for 0Vdc, ID Type	RT-7108
Expansion Power Supply, Input 24Vdc, Output 1A/5Vdc, ID Type	RT-7111
Common for 24Vdc, ID Type	RT-7118
Common for 0Vdc, 24Vdc, ID Type	RT-7188
Field Power Distribution, 5Vdc, 24Vdc, 48Vdc, 110Vac, 220Vac, ID Type	RT-7241



Nidec

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