CONTROL TECHNIQUES

REMOTE I/O

RTMoE OR MODBUS TCP

INDUSTRIAL AUTOMATION CONTROL

NEW

DRIVE OBSESSED

THE MOST WIDELY USED NETWORK PROTOCOL

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

I/O Modules enable industrial automation control without PLC

Industrial automation 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.

RTMoE or Modbus TCP Remote I/Os

In this configuration, add-on RTMoE or Modbus TCP Remote I/O modules connect directly via the on-board Ethernet port of the M7XX series drives, or via the on-board Ethernet port of the MCi210 Machine Control option modules.

A typical configuration (as shown below) would include 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.
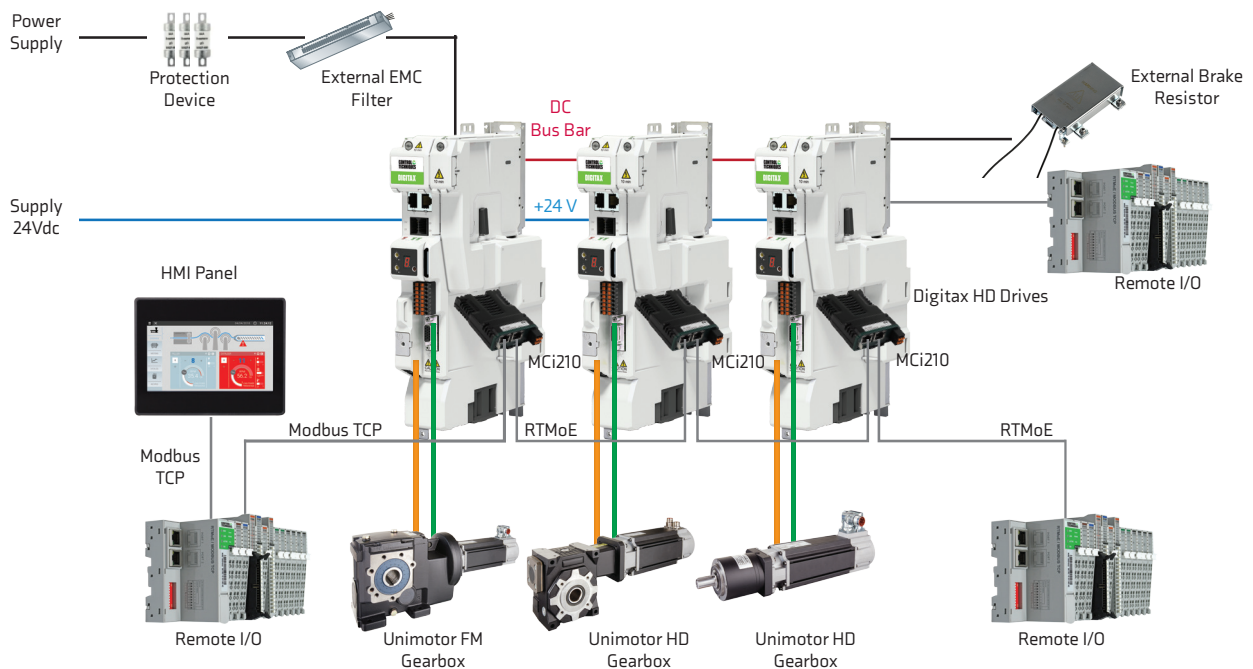
Supported slices and part numbers

Network Adapter	Part Number
RTMoE & MODBUS TCP Network Adapter	IO210-BC

Digital Input	Part Number
DI 8 PTs, Universal (Sink or Source), 24Vdc, 10RTB	GT-1238
DI 16 PTs, Universal (Sink or Source), 24Vdc, 18RTB	GT-12DF
DI 32 PTs, Universal (Sink or Source), 24Vdc, 40PTs Connector	GT-12FA

Digital Output	Part Number
DO 8 PTs, Sink, 24Vdc/0.5A, 10RTB	GT-2318
DO 8 PTs, Source, 24Vdc/0.5A, 10RTB	GT-2328
DO 16 PTs, Sink, 24Vdc/0.3A, 18RTB	GT-225F
DO 16 PTs, Source, 24Vdc/0.3A, 18RTB	GT-226F
DO 32 PTs, Sink, 24Vdc/0.3A, 40PTs Connector	GT-22BA
DO 32 PTs, Source, 24Vdc/0.3A, 40PTs Connector	GT-22CA
Relay Output 4 PTs, 24Vdc/2A, 240Vac/2A, 10RTB	GT-2744

Analogue Input	Part Number
AI, 4 CHs, 0~20, 4~20mA, 12Bits, 10RTB	GT-3114
AI, 4 CHs, 0~20, 4~20mA, 16Bits, 10RTB	GT-3154
AI, 8 CHs, 0~20, 4~20mA, 12Bits, 10RTB	GT-3118
AI, 8 CHs, 0~20, 4~20mA, 16Bits, 10RTB	GT-3158
AI, 4 CHs, 0~10, 0~5, 1~5Vdc, 12Bits, 10RTB	GT-3424
AI, 4 CHs, 0~10, 0~5, 1~5Vdc, 16Bits, 10RTB	GT-3464
AI, 8 CHs, 0~10, 0~5, 1~5Vdc, 12Bits, 10RTB	GT-3428
AI, 8 CHs, 0~10, 0~5, 1~5Vdc, 16Bits, 10RTB	GT-3468
AI, 4 CHs, RTD, 10RTB	GT-3704
AI, 4 CHs, Thermocouple, 10RTB	GT-3804
Differential type, 4 CHs, 0~20, 4~20, +/-20mA, 12Bits, 10RTB	GT-3914
Differential type, 4 CHs, 0~20, 4~20, +/-20mA, 16Bits, 10RTB	GT-3934
Differential type, 4 CHs, 0~5, 0~10, +/-5, +/-10Vdc, 12Bits, 10RTB	GT-3924
Differential type, 4 CHs, 0~5, 0~10, +/-5, +/-10Vdc, 16Bits, 10RTB	GT-3944

Analogue Output	Part Number
AO, 4 CHs, 0~20mA, 12Bits, 10RTB	GT-4114
AO, 4 CHs, 0~20mA, 16Bits, 10RTB	GT-4154
AO, 8 CHs, 0~20mA, 12Bits, 10RTB	GT-4118
AO, 8 CHs, 0~20mA, 16Bits, 10RTB	GT-4158
AO, 4 CHs, 0~10Vdc, 12Bits, 10RTB	GT-4424
AO, 4 CHs, 0~10Vdc, 16Bits, 10RTB	GT-4464
AO, 8 CHs, 0~10Vdc, 12Bits, 10RTB	GT-4428
AO, 8 CHs, 0~10Vdc, 16Bits, 10RTB	GT-4468

System Module	Part Number
8 Channels, Shield Module, ID Type, 10RTB	GT-7408
8 Channels, Common Module, 0 Vdc, ID Type, 10RTB	GT-7508
1 Channel, Expansion Power, Input 24 Vdc, Output 1.0 A/5 Vdc, ID Type, 10RTB	GT-7511
8 Channels, Common Module, 24 Vdc, ID Type, 10RTB	GT-7518
8 Channels, Common, 0V dc/24 Vdc, ID Type, 10RTB	GT-7588
Field Power Distribution, 5Vdc, 24Vdc, 48Vdc, 110Vac, 220Vac, ID Type, 10RTB	GT-7641