

CONTROL TECHNIQUESTM

INTRODUCES THE NEXT GENERATION
SERVO DRIVE SERIES

DIGITAX HD

Ultimate performance and flexibility for high dynamic, pulse duty applications where high peak torque accelerations are required in a 1.6 in (40 mm) wide package.



6.2 – 451.4 lb-in
with 1,354 lb-in peak
1.5 A – 16 A
with 48 A peak
230 V | 460 V
0.25 kW – 7.5 kW

Nidec
All for dreams

DIGITAX HD

Minimum size, maximum performance.

From stand-alone to multi-axis modular common bus, the Digitax HD provides full servo control with 4 functionality levels.

M751 Base

Base drive for configuration flexibility

- Dual STO inputs
- Built-in RS485 communications
- On-board 1.5 axes Advanced Motion Controller
- Two option module slots to add any combination of controller, encoder, I/O or communication options including; EtherNet/IP, PROFINET RT, DeviceNet, PROFIBUS DP, and CANopen.



M753 EtherCAT

EtherCAT device for centralized motion control applications

- Ethernet over EtherCAT (EoE) support for PC tool commissioning
- CANopen over EtherCAT (CoE)
- CIA-402 Profile support
- Cyclic sync position mode
- Interpolated position mode
- Velocity mode
- Profile torque mode
- SDO access to all profile objects and drive parameters



M751 + SI-Ethernet

Network drive for centralized and decentralized motion applications

- SI-Ethernet module adds 2 Ethernet ports with internal switch
- Supports RTMoE (Real Time Motion over Ethernet), HTTP, SMTP, EtherNet/IP and Modbus TCP
- RTMoE provides network synchronization of less than 1µs jitter and 1ms cycle time for synchronous data



M751 + MCI210

Intelligent drive for decentralized motion applications

- MCI210 module adds an IEC61131-3 programmable controller for complete machine control or sectional control.
- 2 Ethernet ports providing multi-axis synchronization through RTMoE
- Modbus TCP master

