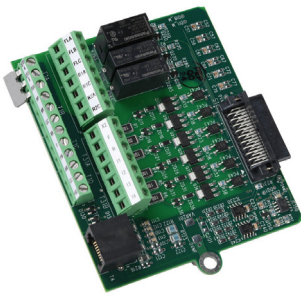# TOSHIBA

AS3 AC Drives – Accessories

Optional I/O Cards

Three option cards are available for the Toshiba AS3 drive series.

• The AS3-ACI module replaces the standard 24VDC inputs with 120VAC digital inputs
• The VEC008Z line driver encoder module
• The IPE003Z EtherCAT communications module

The Toshiba AS3 drive supports installation of up to three modules at a time. Please see the AS3 Instruction Manual for details.

Toshiba AS3 Drives I/O and Communication Cards					
Part Number	Price	Description	Features/Specifications	Placement*	AS3 Drive
AS3-ACI	$230.00	Toshiba AS3 series relay/analog combo module, Analog Input: 3-channel, current/voltage, Analog Output: 2-channel, current/voltage, Discrete Input: 6-point, Discrete Output: 3-point, relay, (1) Form C (SPDT) relay, (2) Form A (SPST) relays.	Replaces the standard terminal board that comes with the AS3 drive. • Relay/analog combo module • Input: 3-channel, current/voltage • Analog output: 2-channel, current/voltage • 120VAC Discrete input: 6-point • Discrete output: 3-point relay	PCB replacement	All
VEC008Z	$132.00	Toshiba AS3 series encoder module, line driver (differential) encoder input. For use with Toshiba AS3 series AC drives. Requires 15-pin D-sub HD15 male connector (sold separately).	Provides PG feedback for differential line driver output type encoders. • Pulse frequency: 300kHz or less (duty: 50% ±10%) • Power supply voltage: Pin3 (24V), Pin7 (12V), Pin15 (5V) • Maximum load of power supply: Pin3 (24V)-100mA, Pin7 (12V)-100mA, Pin15 (5V)-250mA • Connector: D subminiature connector (DE-15/HD15) • Recommended cable: 100m or less multi-layer shielded cable, AWG26 for signal line, AWG20 for power supply	AS3 drive, Slot B	All
IPE003Z	$394.00	Toshiba communication module, EtherCAT CoE protocol, 2 ports, (2) Ethernet (RJ45) port(s). For use with Toshiba AS3 series AC drives.	Enables EtherCAT communications for the AS3 drive. Drive is controlled by two profiles (CiA402 V3 or TOSHIBA). Also supports BECKHOFF software TwinCAT V2.x. • Connector: RJ45 x 2 • Supports CoE protocol only • Baud rate: 100Mbps • Command reception time: 5ms • 4 communication status LEDs and 2 link status LEDs	AS3 drive, Slot A	All

AS3-ACI

VEC008Z

IPE003Z