



TECHNICAL SPECIFICATIONS

4TI ETH EDGE & 4/Os XP.

4TI ETH EDGE

Name Interface	4 TraftiCam Interface Ethernet EDGE
Abbreviation (short name)	4TI ETH EDGE
Product Reference Number	10-6083
Basic Functionality	- Connecting zone outputs from TraftiCam sensor(s) to controller - Routing RS485 communications to TraftiCam sensor(s) - Connecting (portable) PC to TraftiCam sensor(s) for system configuration & viewing
# Sensors to Connect	1-4 TraftiCam sensors
Power IN	10,8-26,5VDC via EDGE connector (back, pins A/B), power LED (front, red) Separate 12-24VAC/DC +/- 10% power supply needed for TraftiCam sensor(s)
Power OUT	None
Port PC – Interface	1 RJ45 Ethernet connector (10/100Mbit/s auto switching) 1 USB/B connector
# Detection Outputs	- 4 optical coupled dry contacts via EDGE connector (back, pins F/H, W/X, S/T, Y/Z) - $I_{max} = 50mA$, $U_{max} = 48VDC$ - Close on event or open on event (setting in TraftiCam PC Tool) - 4 output LEDS (green, front) - Detection output 1-4 and common detection output 1-4 <i>Note: max. 12 extra detection outputs can be added via max. 3 4/Os xp. units *</i> <i>Note: via RS485 (pins U/V) + PIM module, output states can be provided to TS2 controllers**</i>
# Sensor Error Outputs	- 1 optical isolated switch component via EDGE connector (back, pins P/R) - $I_{max} = 50mA$, $U_{max} = 48VDC$ - Open on event (hardware output) - 1 TraftiCam sensor status LEDS (red = error, front) - Error output and common error output
Function of Error Outputs	- Error output active = error in 4 TI ETH EDGE or power supply down, or - Error output active = error in 4/Os xp. with output(s) assigned (e.g. no communications), or - Error output active = error in corresponding TraftiCam sensor (e.g. no communications)
Interface Firmware	Yes
Communications Sensor – Interface	RS485, Trafticon protocol (serial)
Cable Sensor – Interface	5 wires via clamps (back): - 2 wires for DC power - 2 wires for RS485 communication - 1 wire for protective earth
Current Consumption	$\leq 60mA @ 24VDC$
Power Consumption	$\leq 1,2W$ (1,5W peak at start-up)
Mass	$\approx 120g$
Physical Dimensions (H x W x D)	115mm x 28,5mm x 165mm Standard US EDGE rack height & depth; width = single slot
Interface Mounting	EDGE-rack mountable
Regulatory Issues	- FCC: FCC Part 15 class A - Shock & Vibration NEMA II specs - Temperature range NEMA II specs: -34C to +74C

4/Os xp.

Name Interface	Single slot 4-output expansion board
Abbreviation (short name)	4/Os xp.
Product Reference Number	10-4670
Basic Functionality	Connecting extra outputs to controller
# Sensors to Connect	None, connection LED (front, red) for connection with 4TI ETH EDGE
Power IN	10,8-26,5VDC via RJ11 connector (front) Powered by 4TI ETH EDGE (RJ 11 connector, front), power LED (front, red)
Power OUT	None
Port PC – 4/Os xp.	None
# Detection Outputs	- 4 extra optical coupled dry contacts per 4/Os xp. via EDGE connector (back, F/H, W/X, S/T, Y/Z) - $I_{max} = 50mA$, $U_{max} = 48VDC$ - close on event or open on event (setting in TrafiCam PC Tool) - 4 output LEDS (green, front) - detection output 1-4 and common detection output <i>Note: max. 12 extra detection outputs can be added via maximum 3 4/Os xp. units</i> <i>Note: Channel selector switch on PCB to enable outputs 5-8, 7-10, ..., 21-24</i>
# Error Outputs	None
Function of Error Outputs	None
Interface Firmware	None
Communications Sensor – 4/Os xp.	Serial, via RJ11 connector (front, for power and output states to 4/Os xp.)
Cables 4TI ETH EDGE – 4/Os xp.	RJ11 connector (back): power and communication of output states from 4TI ETH EDGE to 4/Os xp.
Current Consumption	$\leq 25mA @ 24VDC$
Power Consumption	$\leq 600mW$
Mass	$\approx 100g$
Physical Dimensions (H x W x D)	115mm x 28,5mm x 165mm Standard US EDGE rack height & depth; width = single slot)
Interface Mounting	EDGE-rack mountable
Regulatory Issues	- FCC: FCC Part 15 class A - Shock & Vibration NEMA II specs - Temperature range NEMA II specs: -34C to +74C

* **4/Os xp. = Single slot 4-output expansion board**

** **PIM compatibility in 4TI ETH EDGE firmware will be foreseen when needed in a project**

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