



umbratek

NTRO SERIES

STANDARD UNIVERSAL CONTROLLER

TECHNICAL SPECIFICATIONS

Date: SEP 2021

EN Version: 0.1.0

NTRO CONTROLLER

TECHNICAL DATA

MODEL	NTRO 350	NTRO 750	NTRO 1000	NTRO 1500
PROCESSOR	Intel x86 2.0GHz Quad-Core Processor			
HARD DRIVE	16G SSD			
RAM	2G DDR3L			
INTERFACES	EtherNet, I/O, RS485, Robot Connector, WIFI, Wireless E-STOP, Wireless Switch			
OPERATING SYSTEM	NTRO-RobotOS (or Pre-installed Ubuntu Linux)			
POWER (MAX)	350W	750W	1000W	1500W
VOLTAGE	AC110-240V 50-60Hz / DC Power (Customizable)			
SIZE (L*W*H)	360 x 164 x 88 mm			
WEIGHT	3kg	4.4kg	4.8kg	
MATERIALS	Aluminum			
ROBOT CONNECTOR	SF16 Type 9Pin		SF28 Type 10Pin	
I/O INTERFACES	Digital Output x 2, Digital Input x 4, Analog Input x 2			
EMERGENCY STOP	Integrated E-Stop Switch, External E-Stop Connector, Wireless E-STOP			
SAFETY DESIGN	Overload Protection, Over/Low Voltage Protection, Brown-out Emergency Stop, Temperature protection, ESD Protection			
AMBIENT TEMPERATURE	Operation 5 to 40°C, Storage 0 to 45°C			
AMBIENT HUMIDITY	20 to 75%RH (Non-condensing)			
PROTECTION RATING	IP30			