

Ned2 Technical specifications

6-axis desktop robot arm

Weight:	7 kg / 15,4 lbs		
Payload:	300 g / 0,6 lbs (z = 20mm TCP)		
Reach:	490 mm / 19,29 In		
Joint ranges:	Joint 1 335° Joint 2 125° Joint 3 160° Joint 4 235° Joint 5 220° Joint 6 290°		
Speed:	Joint 1 & 3 : 90°/s Joint 2 : 60°/s Joint 4, 5 & 6 : 180°/s Tool: Typical 0,2 m/s. / 7,87 In/s		
Repeatability ISO 9283:	+/- 0.5 mm / +/- 0,019 In		
Footprint:	181,6 mm x 187,5 mm / 7,14 x 7,38 In		
Degrees of freedom:	6 rotating joints		
I/O ports:		Back panel	Tool
	Digital in	4	1
	Digital out	3	1
	Analog in	2	-
	Analog out	2	-
	Conveyor belt interface	2	-
	Gripper interface	-	1
	Vacuum pump interface	1	-
I/O power supply:		Back panel	Tool
	5 V / 7A	5	2
	12 V / 7A	2	-
Communication:	TCP/IP 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless, Bluetooth 5.0, BLE Gigabit Ethernet & Modbus TCP / 2 ports USB 2.0 & 2 ports USB 3.0		
Programming:	NiryoStudio on (windows/mac/linux) / Niryo API / ROS		
Noise:	Less than 70dB		
Power consumption:	Maximum power consumption in standard use 30 W Average consumption in standard use 20 W		
Power supply:	AC 100-240 V / 50-60 Hz / 2,5 A		
Câblage:	Cable between robot and ARU (1,5 m) Cable between ARU and power bloc (1,5 m)		
Temperature:	The robot can work in a temperature range of 5-45°C		
Materials:	Aluminum, ABS plastic, Steel		



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