

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
--	--	--

UNCNCTL110

Central Unit

Reduced Data sheet

Version: 1

Date: 16.02.2026

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
--	--	--

Overview



UNCNCTL110 is an entry level CNC central unit capable to host light HMI.

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
--	--	--

Part Number

Code

Codice	Description
UNCNCTL110	Central Unit CNC Costantino TL W10 IoT RAM 4GB SSD 64GB cpu N97

Alternative codes

This product replaces UNCNCTL010 for new applications.

Product status

Item	Value
Status	In production: suitable for new applications
In production from:	Jan 2025
In production at least until:	Jan 2030

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
	CAPITALE SOCIALE 100.000,00 €	
	C.F. E P.I. 01252870504	

Technical data summary

Operating System	
	Microsoft Windows® 10 IoT Enterprise 2021 LTSC
CNC	
	Costantino SWCNCCOST6, Costantino SWCNCCOST2
Processor System	
CPU	Intel® Processor N97
Core Number	4
Max Speed	2 GHz
Chipset	Intel® Alder Lake-N PCH
BIOS	AMI EFI 64 Mbit SPI BIOS
Memory	
Technology	Single Channel DDR4 2400
Size	4 GB
Video	
Graphics Controller	Intel® UHD Graphics
Max Resolution (HDMI)	4096 x 2160@60Hz
Display Memory	Shared
Connections	1x HDMI 1.4
Storage	
Size	64GB
Flash	SSD
Interface	SATA
Form Factor	mSATA
Max Data Transfer Rate	6 Gb/s

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
	CAPITALE SOCIALE 100.000,00 €	
	C.F. E P.I. 01252870504	

Network	
Ethernet 1	Intel i226-V with 10/100/1000/2500 Mbit/s
Ethernet 2	Intel i226-V with 10/100/1000/2500 Mbit/s
(**) Ethernet 3	Microchip LAN9500 with 10/100 Mbit/s
Connections	3x RJ45 shielded
Wi-Fi (**)	
Supported Standard	IEEE 802.11 b/g/n
Frequency Band	2.4 GHz
Security	WEP 64/128, WPA,WPA2, TKIP,AES
Field Bus	
EtherCAT	Intel i210
Connections	1x RJ45 shielded
Peripheral	
USB	USB 3.0
Connections	4x USB 3.0 type-A
Serial Port	COM RS-485 (Modbus RTU)
Connections	1x D-Sub 9 Male
Power Requirements	
Nominal Input Voltage	Single Voltage 24V DC
Max Power Consumption	20W
Power On	AT (Directly Power on as power input ready)
Connections	1x Removable Terminal Block
Cooling	
Fan	#1 42 mm diameter
MTBF	70Kh

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
--	--	--

Environment	
Operating Temperature	0 ~ 45 °C
Storage Temperature	-20 ~ 70 °C
Humidity	Up to 90% without condensation
Overall Dimension	184.4 x 45 x 140 mm (HxWxD)
Weight	0.8 Kg

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
--	--	--

Certifications

Certification	Description
CE	EU Declaration of Conformity: EMC Directive 2014/30/UE Standards used: EN 61000-6-2:2019 EN 61000-6-4:2019
RoHS	Declaration of Conformity: RoHS Directive 2011/65/EU
Origin	Italy
CRA	Yes (pending) with SWCNCCOST6 No with SWCNCCOST2

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
--	--	--

Layout and dimension

Height	184,4 mm
Width	45,0 mm
Depth	140,0 mm

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
--	--	--

Reference documents

Full technical data sheet: TDU2004_UNCNCTL110.

This product has a comparison performance evaluation in TABRD001_validationLists document.