

**UC20-WL2000-IOT**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Product image**



For modern IoT applications, automation technology needs to be increasingly more powerful and adaptable. u-mation offers a coordinated hardware portfolio designed for the future-proof preparation of your machines and systems. u-control 2000 is one of the most compact and state-of-the-art control systems on the market and is the centrepiece of our hardware portfolio. u-control 2000 forms the basis required for use of our engineering solutions u-create web, studio and IoT. The controllers modular design is based on the remote I/O system u-remote, and allows for needs-based expansion to include other components from the u-mation family.

**General ordering data**

Version	Controller, IP20, IoT Controller, u-control 2000 web, Web-based, integrated engineering tool: u-create web for IIoT applications
Order No.	<a href="#">1334990000</a>
Type	UC20-WL2000-IOT
GTIN (EAN)	4050118138290
Qty.	1 Stück

Erstellungs-Datum May 25, 2023 10:45:30 AM CEST

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## Technische Daten

### Dimensions and weights

Depth	76 mm	Depth (inches)	2.992 inch
Height	120 mm	Height (inches)	4.724 inch
Width	52 mm	Width (inches)	2.047 inch
Mounting dimension - height	128 mm	Net weight	232 g

### Temperatures

Operating temperature, min.	-20 °C	Operating temperature, max.	55 °C
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### Connection data

Type of connection	PUSH IN
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### General data

Rail	TS 35	UL 94 flammability rating	V-0
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### Power supply

Current consumption from $I_{sys}$ , typ.	116 mA		
Feed current for $I_{IN}$ (input current path)	nominal	5,000 mA	
	min.	0 mA	
	max.	5,000 mA	
Feed current for $I_{IN}$ (input current path), max.	5 A		
Feed current for $I_{OUT}$ (output current path)	min.	0 mA	
	max.	5,000 mA	
	nominal	5,000 mA	
Feed current for $I_{OUT}$ (output current path), max.	5 A		
Supply voltage for outputs	24 V DC +20 %/ -15 %		
Supply voltage system and inputs	24 V DC +20 %/ -15 %		

### System data

Configuration interface	Micro USB 2.0	Connection type	2 x RJ45 plug-in connectors
Engineering tool	u-create web	Interface	2x Ethernet TCP/IP, 1x Micro USB
Memory (Flash)	4 GB, 32 GB via microSD	Module type	Controller
Processor	Dual Core ARM Cortex A9, 624 MHz, 512 Mbyte RAM	Programming environment	web-based with node-RED
Real-time clock	Battery buffered	Transmission speed backplane bus, max.	48 Mbit
max. number of modules	64		

### Classifications

ETIM 6.0	EC000236	ETIM 7.0	EC000236
ETIM 8.0	EC000236	ECLASS 9.0	27-24-22-07
ECLASS 9.1	27-24-22-07	ECLASS 10.0	27-24-22-07
ECLASS 11.0	27-24-22-07	ECLASS 12.0	27-24-22-07

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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	b2baa72f-7638-44ad-b8eb-76854d0293dc

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">RINA certificate</a> <a href="#">Bureau Veritas - Type Approval Certificate</a> <a href="#">Lloyd's Register - Type Approval Certificate</a> <a href="#">Hazardous Locations - UL Class 1 Division 2 Group ABCD</a> <a href="#">IECEX</a> <a href="#">UL ATEX</a> <a href="#">ABS-American Bureau Of Shipping - Certificate of PDA Declaration of Conformity</a>
Engineering Data	<a href="#">Compatibility information – UC20-WL2000-IOT Supported modules list</a> <a href="#">CAD data – STEP</a> <a href="#">Application notes – Modbus/TCP master implementation in Node-RED</a> <a href="#">Application notes – Accessing MSSQL databases via Node-RED</a> <a href="#">Quick start guide – Modbus - Understanding Coils and Register</a> <a href="#">Application notes – Installing and updating nodes in Node-RED</a> <a href="#">Configuration tutorials – Reading data from Node-Red</a> <a href="#">Configuration tutorials – Send e-mail event with IFTTT</a> <a href="#">Configuration tutorials – Receive notifications from IFTTT</a> <a href="#">Configuration tutorials – Data login IFTTT and Google sheets</a> <a href="#">Configuration tutorials – Retain variables u-create web</a> <a href="#">Configuration tutorials – u-control WL2000 easy way to notify with e-mail</a> <a href="#">Configuration tutorials – MyStory u-control WL2000 smart e-mail notification</a> <a href="#">Configuration tutorials – Easy use case of u-control WL2000 with OPC-UA clients</a> <a href="#">Configuration tutorials – MyDashboard on u-control WL2000</a> <a href="#">Application notes – Use of UC20 above 2000m sea level</a>
Engineering Data	<a href="#">EPLAN</a>
Product Change Notification	<a href="#">Release Notes</a>
Software	<a href="#">Software – u-link VPN-Client</a> <a href="#">Firmware – Current Firmware file for UC20 IoT</a> <a href="#">Firmware – Archiv Firmware files UC20-WL2000-IOT</a>
User Documentation	<a href="#">u-link Technical User Guide</a> <a href="#">u-control Handbuch (Deutsch)</a> <a href="#">u-control Manual (English)</a> <a href="#">Quick reference / Instruction inlay</a> <a href="#">20210504 Security Advisory - Accidentally open network port in u-controls and IoT-Gateways</a> <a href="#">20221214 Security Advisory - Multiple IoT and control products affected by JavaScript injection vulnerability</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

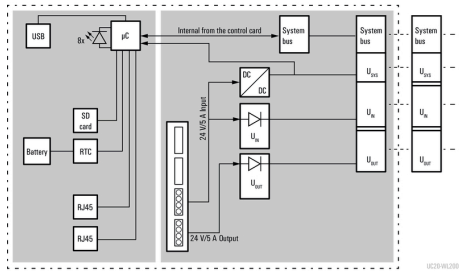
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# Zeichnungen

### Block diagram, Similar to illustration



### Connection diagram

