UC20-WL2000-AC-CAN

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, AutomationController, Web-based, u-control 2000 web, CAN interface, integrated engineering tools: u-create web for PLC - (real-time system) & IIoT applications and CODESYS (u-OS) compatible
Order No.	2928020000
Type	UC20-WL2000-AC-CAN
GTIN (EAN)	4099986655720
Qty.	1 pc(s).

Creation date October 26, 2023 10:11:45 AM CEST

Weidmüller ⋛Ξ

UC20-WL2000-AC-CAN

Technical data

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
Net weight	232 g		

Temperatures

Operating temperature, min.	-20 °C	Operating temperature, max.	55 °C

Connection data

Type of connection	PUSH IN, CAN interface (type B2CF 3.50/180LR)

General data

Rail	TS 35	UL 94 flammability rating	V-0

Power supply

Feed current for I_{IN} (input current path)	max.		5,000 mA
	min.		0 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
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	PUSH IN
Engineering tool	u-create web, u-OS	Field bus protocol	CANopen
Interface	1x CAN (optional), 2x 1 Gbps (RJ45)	Memory (Flash)	8 GB, 32 GB via microSD
Module type	Controller	Processor	Dual Core ARM Cortex A9, 624 MHz, 512 Mbyte RAM
Programming environment	web-based	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	ETIM 9.0	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	ECLASS 13.0	27242207

Important note

Product information	available from Q4 2023

Creation date October 26, 2023 10:11:45 AM CEST

Catalogue status 14.10.2023 / We reserve the right to make technical changes.

2

Weidmüller ⧲

UC20-WL2000-AC-CAN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Downloads

Approval/Certificate/Document of Conformity	DNV/GL certificate
User Documentation	u-control Handbuch (Deutsch)
	u-control Manual (English)
Catalogues	Catalogues in PDF-format

UC20-WL2000-AC-CAN

Drawings

Block diagram

Connection diagram

UC20-WL2000-AC-CAN

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

www.weidmueller.com

Accessories

u-link Remote Access Service

The Weidmüller u-link remote access service offers an easy possibility to securely access ethernet devices in a remote network.
With the u-link VPN Server as the central meeting point server, the VPN clients (service PC and Weidmüller u-link client devices) always connect outbound and thus conform to the typical IT security requirements.
Separate database and server instances are used for each u-link customer account (secure client isolation) to ensure data integrity.
Communication between the u-link VPN server and remote clients (service PCs and u-link client devices) takes place via a certificate-protected openVPN connection.
The u-link creed is "configuration instead of programming" the use is intuitive and does not require expert knowledge.

Featureset:

- 1-click VPN remote access for service PC's
- easyAccess: web, rdp or vnc connections to remote hosts fully browser based for use with tablet or smartphone
- Organization and Group Management
- Topologies including 3rd party end-devices
- Firmware management: Display of firmware status of all routers and the option of a time-controlled, automated firmware update
- Individual access rights: granular configuration of access rights to devices in the target network
- Extensive event log: Presentation of all activities in the u-link portal with extensive filter and export functions
- Password policy: Increased security through configurable specification of minimum requirements for password quality and validity period

Weidmüller offers the following usage variations and additional options for the u-link Remote Access Service:

Basic version:

- Automatically assigned by registering at u-link.weidmueller.com
- Free use for 6 months, extended to 365 days when registering a new u-link client device
- Full featureset
- Unlimited users
- Max. 50 u-link capable devices (access points to a remote network)
- 1 simultaneous VPN connection
- No data or speed limitations (subject to normal market usage)

Extensions

- Additional 50/100/250/500/1000 or more u-link capable devices
- Additional simultaneous VPN connections
- China-VPN: secure and reliable VPN connection to and from China

Type	U-LINK-CNSERVER-1Y	Version	
Order No.	2839490014		
GTIN (EAN)			

server in China for a secure and reliable VPN connection to and from

UC20-WL2000-AC-CAN

Accessories

Type	U-LINK-1-CONNECTION-1Y	Version
Order No.	2870130000	"VPN connection" licence code for u-link Remote Access Service. Can
GTIN (EAN)		be used as an additional VPN connection or to extend the period of a
Qty.		VPN connection that has already been activated
Type	U-LINK-50-DEVICES-1Y	Version
Order No.	2870090000	License code for u-link Remote Access Service., Adds 50 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.		license and extends the period of the basic license accordingly.
Type	U-LINK-100-DEVICES-1Y	Version
Order No.	2870100000	License code for u-link Remote Access Service., Adds 100 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.		license and extends the period of the basic license accordingly.
Type	U-LINK-500-DEVICES-1Y	Version
Order No.	2870120000	License code for u-link Remote Access Service., Adds 500 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.		license and extends the period of the basic license accordingly.
Type	U-LINK-250-DEVICES-1Y	Version
Order No.	2870110000	License code for u-link Remote Access Service., Adds 250 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.		license and extends the period of the basic license accordingly.
Type	U-LINK-1000-DEVICES-1Y	Version
Order No.	2924220000	License code for u-link Remote Access Service., Adds 1000 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.		license and extends the period of the basic license accordingly.

Accessories

Potential-distribution modules; system accessory

A wide range of accessory modules is available for individual requirements of machine and plant engineering. Various potential distribution modules are available for the supply of sensors with 2- to 4-wire connection technology directly from the remote I/O system. These offer 16 "PUSH IN" potential points and supply your application with any auxiliary potential available. An empty module, where the system bus and voltage supply are looped through, allows you to plan expansion slots in a system and to start these up without any interruptions if required.

General ordering data

Type	UR20-EBK-ACC	Version
Order No.	1346610000	End bracket, ,
GTIN (EAN)	4050118151596	
Qty.	5 pc(s).	
Type	IE-USB-A-MICRO-1.8M	Version
Order No.	1487980000	USB cable, USB A, USB Micro, PVC, 1.8 m
GTIN (EAN)	4050118298451	
Qty.	1 pc(s).	

Creation date October 26, 2023 10:11:45 AM CEST

Weidmüller 3€

UC20-WL2000-AC-CAN

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

www.weidmueller.com

Accessories

Type	UR20-SM-ACC	Version	
Order No.	1339920000	Cover, ,	
GTIN (EAN)	4050118144727		
Qty.	20 pc(s).		

Custom printing

General ordering data

Type	PM 2.7/2.6 MC SDR	Version	
Order No.	1323700000	OMNIMATE Signal - series PM, Pusher markers, 2.7 x 2.6 mm, Pitch in	
GTIN (EAN)	4050118126761	mm (P): 3.50 Weidmueller, To customer specification	
Qty.	192 pc(s).		

Custom printing

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
• Large range of ready-to-use markers
• Strips for fast installation
• Terminal markers, suitable for all Weidmüller cable connectors
• Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8-11.5 MC SDR	Version	
Order No.	1341610000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4050118146059	Weidmueller, To customer specification	
Qty.	100 pc(s).		

Creation date October 26, 2023 10:11:45 AM CEST

Catalogue status 14.10.2023 / We reserve the right to make technical changes.
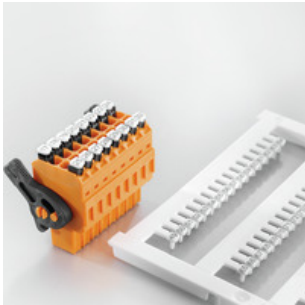
7

UC20-WL2000-AC-CAN

Accessories

Blank

General ordering data

Type	PM 2.7/2.6 MC NE WS	Version	
Order No.	1323710000	OMNIMATE Signal - series PM, Pusher markers, 2.7 x 2.6 mm, Pitch in	
GTIN (EAN)	4050118126778	mm (P): 3.50 Weidmueller, white	
Qty.	960 pc(s).		

Blank

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
• Large range of ready-to-use markers
• Strips for fast installation
• Terminal markers, suitable for all Weidmüller cable connectors
• Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8-11.5 MC NE WS	Version	
Order No.	1341630000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4050118145946	Weidmueller, white	
Qty.	500 pc(s).		

Creation date October 26, 2023 10:11:45 AM CEST