u-OS

The open operating system for IIoT and automation

Independence and flexibility for your machines and plants

u-OS combines automation with the possibilities of Industrial IoT on just one device and is therefore "edge ready". It allows fast and efficient data preprocessing directly at the machine as well as precise control of the machine.

u-OS is expandable and makes it possible to install software individually and web-based. This gives you access to the entire software landscape of Weidmüller and the connected partner network. Thanks to the open software interface, u-OS can also be customized.

Your benefits at a glance

- Future-proof thanks to web-based user interface.
- Independent and flexible thanks to freely installable software containers.
- Open interfaces at all levels facilitate the integration of own components.
- Support IEC 61131, Codesys 3,5.

Starter Kit - UC20 u-OS

Ordernr	7770019813
UR20-4DO-P	1315220000
UC20-WL2000-AC	1334950000
UR20-8DI-P-W	1394400000
Price	**295 EURO**

Starter Kit - M3000 u-OS

Ordernr	7770020042
UR20-M3000	2839150000
UC20-4DO-P	1315220000
UR20-8DI-P-3W	1394400000
Price	**749 EURO**

Starter Kit - M4000 u-OS

Ordernr	7770020043
UR20-M4000	2839160000
UC20-4DO-P	1315220000
UR20-8DI-P-3W	1394400000
Price	**1.195 EURO**

* This campaign is valid until December 31st 2025.

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Weidmüller

Expansions I/Os

Digital input modules

Order No:	Type
1315390000	UR20-16DI-N
1315400000	UR20-16DI-N-PLC-INT
1315200000	UR20-16DI-P
1315210000	UR20-16DI-P-PLC-INT
1460140000	UR20-2DI-P-TS
1550070000	UR20-4DI-2W-230V-AC
1315350000	UR20-4DI-N
1315170000	UR20-4DI-P
2009360000	UR20-4DI-P-3W
1460150000	UR20-4DI-P-TS
2457240000	UR20-8DI-ISO-2W
1315370000	UR20-8DI-N-3W
2456530000	UR20-8DIO-P-3W-DIAG
1315180000	UR20-8DI-P-2W
1394400000	UR20-8DI-P-3W
1315190000	UR20-8DI-P-3W-HD

Digital output modules

Order No:	Type
1315440000	UR20-16DO-N
1315450000	UR20-16DO-N-PLC-INT
1315250000	UR20-16DO-P
1315270000	UR20-16DO-P-PLC-INT
1315410000	UR20-4DO-N
1315420000	UR20-4DO-N-2A
1315220000	UR20-4DO-P
1315230000	UR20-4DO-P-2A
1394420000	UR20-4DO-PN-2A
1315430000	UR20-8DO-N
1315240000	UR20-8DO-P
1509830000	UR20-8DO-P-2W-HD
1315550000	UR20-4RO-CO-255
1315540000	UR20-4RO-SSR-255

Analogue input modules

Order No:	Type
2001670000	UR20-4AI-R-HS-16-DIAG
1315700000	UR20-4AI-RTD-DIAG
2456540000	UR20-4AI-RTD-HP-DIAG
1315710000	UR20-4AI-TC-DIAG
1394390001	UR20-4AI-UI-12
1394390000	UR20-4AI-UI-12
1315620001	UR20-4AI-UI-16
1315620000	UR20-4AI-UI-16
1315690000	UR20-4AI-UI-16-DIAG
1315690001	UR20-4AI-UI-16-DIAG
1506910000	UR20-4AI-UI-16-DIAG-HD
1506920000	UR20-4AI-UI-16-HD
1993880000	UR20-4AI-UI-DIF-16-DIAG
1315720000	UR20-8AI-I-16-DIAG-HD
1315650000	UR20-8AI-I-16-HD
1315670000	UR20-8AI-I-PLC-INT
2555940000	UR20-8AI-RTD-DIAG-2W

Analoque output modules

Order No:	Type
1315680000	UR20-4AO-UI-16
1315730000	UR20-4AO-UI-16-DIAG
1506930000	UR20-4AO-UI-16-DIAG-HD
1510690000	UR20-4AO-UI-16-HD
2453880000	UR20-4AO-UI-16-M
2453870000	UR20-4AO-UI-16-M-DIAG

Communication and counter

Order No:	Type
1315750000	UR20-1COM-232-485-422
2007430000	UR20-1COM-SAI-PRO
1315740000	UR20-4COM-IO-LINK
1508090000	UR20-1SSI
1315570000	UR20-1CNT-100-1DO
1315580000	UR20-1CNT-500
1315590000	UR20-2CNT-100
1508080000	UR20-2FCNT-100

Pulse width modulation and step-

Order No:	Type
2489830000	UR20-1SM-50W-6DI2DO-P
1315600000	UR20-2PWM-PN-0.5A
1315610000	UR20-2PWM-PN-2A

Power measurement module

Order No:	Type
2007420000	UR20-3EM-230V-AC

Strain gauge module

Order No:	Type
1990070000	UR20-2AI-SG-24-DIAG

Digital safety modules

Order No:	Type
1335030000	UR20-PF-O-1DI-SIL
1335040000	UR20-PF-O-2DI-DELAY-SIL
1335050000	UR20-PF-O-2DI-SIL

Power supply modules

Order No:	Type
1334710000	UR20-PF-I
1334740000	UR20-PF-O

Accessories

Order No:	Type
1469340000	UR20-PG0.35
1334790000	UR20-16AUX-FE
1334800000	UR20-16AUX-GND-I
1334810000	UR20-16AUX-GND-O
1334770000	UR20-16AUX-I
1334780000	UR20-16AUX-O

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