	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/ RDM	Plug and Spray
WECS II 512/02	○	○	○	○	○	○	○	○	○	●	●	●	●
WECS II 1024/02	○	○	○	○	○	○	○	○	○	●	●	●	●

WECS II 512/02 AND WECS II 1024/02

The new WECS II controller generation is capable of bi-directional (DMX-RDM) communication. The WECS II 512/DMX/02 is the new standalone Entertainment-Controller for 512 DMX/RDM-Channels, and the WECS II 1024/DMX/02 is the new music standalone Entertainment-Controller for 1024 DMX/RDM-channels with audio file.

INNOVATION – MADE BY OASE

NEW

WECS II 512/02

WECS II 1024/02

Product characteristics at a glance

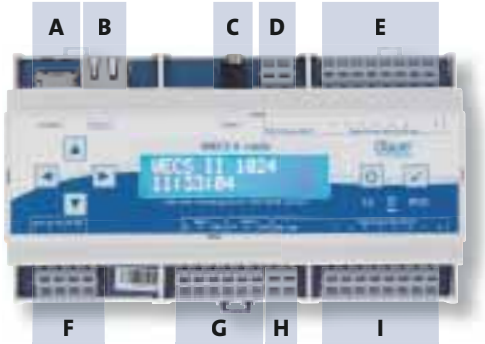
- Incl. Software
- Entertainment server standalone
- Entertainment server standalone with audio (56492 WECS II 1024/DMX/02)
- 512 DMX-RDM output channels standalone
- 1024 DMX-RDM output channels standalone (56492 WECS II 1024/DMX/02)
- 1024 DMX-RDM channels as interface for WECS II 2048
- Freely programmable inputs and outputs for controlling, shows, wind anemometers, water-level sensors, protections etc.
- User-friendliness
- Visual patching

FONTIMAT, S.A. C/Polea, 1-3 28529 Rivas Vaciamadrid - Madrid Tfno. 916665440 info@fontimat.com

The fanless controller transmits DMX-RDM data packets to the individual components (lights, pumps, DMX-RDM controllable nozzles, motion etc.) which enable them to act accordingly. In turn, they analyse the received data and send back their status signals like operating hours and temperature via the same cable. These status signals enable remote diagnosis and remote maintenance of the connected components.
The digital inputs can be linked to water level sensors or external push buttons. That enables to control shows and faders from outside.
Furthermore, as a special feature, the OASE Wind Anemometer drives the internal wind-fader directly to control fountain heights according to the wind speed.
All digital outputs can be used to switch relays and frequency converters directly.
Any number of shows or sequences for a project can be saved on the micro SD card (4 GB included).

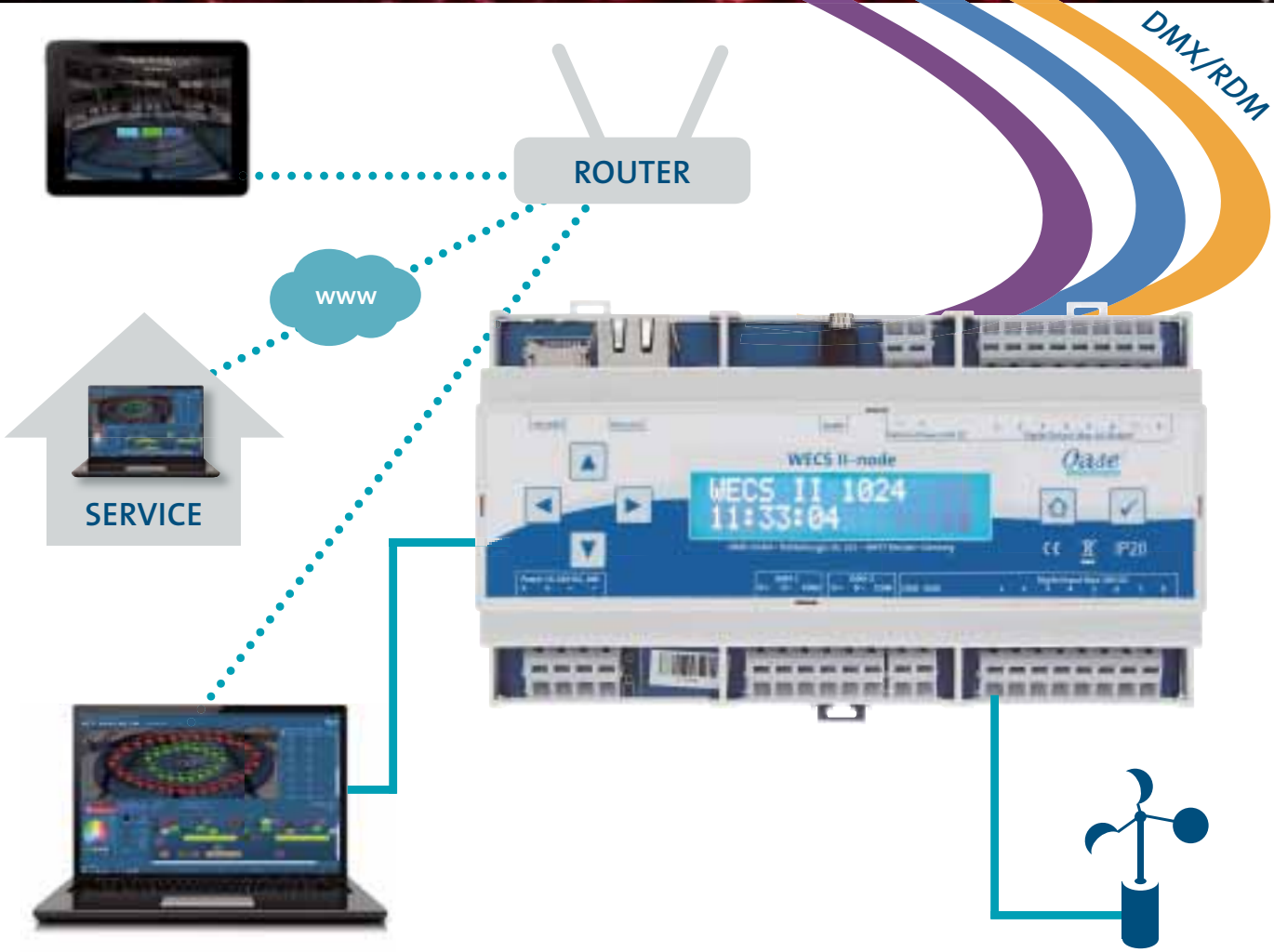
WECS II 512 / 1024
OVERVIEW

		WECS II 512/DMX/02	WECS II 1024/DMX/02
Hardware	512 channel RDM/DMX output	•	•
	1024 channel RDM/DMX output		•
	Easy to use front panel setup	•	•
	Interface 1024 channel	•	•
	8 digital output	•	•
	8 digital input	•	•
	DIN rail housing	•	•
	Audio output		•
Stand alone	Stand alone capable	•	•
	Stand alone micro SD card 4GB	•	•
	Show upload via micro SD card	•	•
	Stand alone calendar	•	•
Connectivity	Ethernet RJ45 10/100 Mbit	•	•
Software	Fixture library	•	•
	Patching	•	•
	Operating & monitoring (Live page)	•	•
	RDM monitoring	•	•
	Logbook files	•	•
	Scenes	•	•
	Sequences	•	•
	Scheduler	•	•
	DMX channel preview	•	•
	Effects: SIN, COS, RECT, SAW UP/-DOWN	•	•
	Matrix programming	•	•
	Time schedule with internal clock	•	•
	Media support audio		•

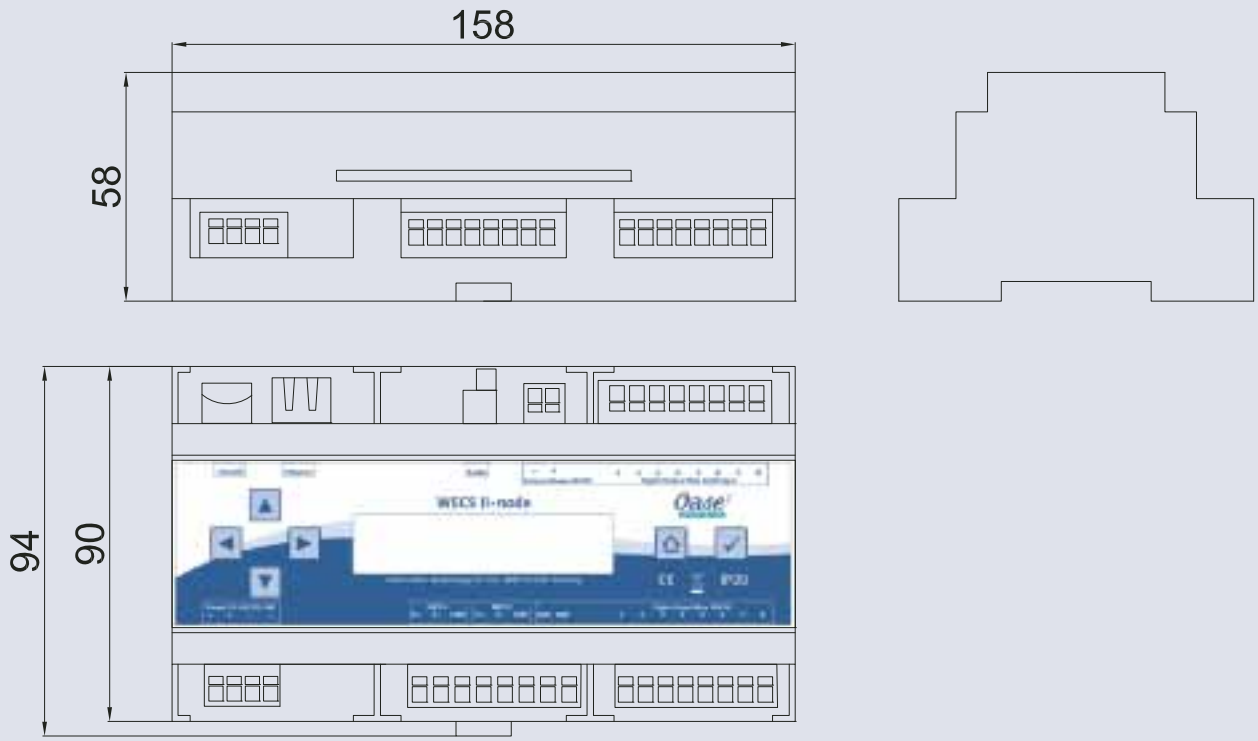


A Any number of shows or sequences for a project can be saved on the micro SD card (4GB included).
B RJ-45 Ethernet
C Audio 3,5 mm stereo jack, galvanically isolated
D Connection of voltage supply +24V DC for digital outputs (-/+)
E 8x digital output 1A/output, galvanically isolated
F 4x connection to power supply (++/--) 15-24 V DC /8W
G 2x DMX-RDM outputs, galvanically isolated
H 2x grounding for digital inputs
I 8x digital inputs, galvanically isolated

FONTIMAT, S.A. C/Polea, 1-3 28529 Rivas Vaciamadrid - Madrid Tfno. 916665440 info@fontimat.com



FONTIMAT, S.A. C/Polea, 1-3 28529 Rivas Vaciamadrid - Madrid Tfno. 916665440 info@fontimat.com



WECS II 512/02 and WECS II 1024/02

Water Entertainment Control System	512 II based on WECS-node	1024 II based on WECS-node
Dimensions (L x W x H) [mm]	158 x 94 x 58 mm	
Weight	0.33 kg	
Housing	Polycarbonate Light grey/white/blue for top-hat rail mounting (35mm DIN rail) or wall fastening	
Protection class	IP20	
Power supply	15..24V DC/ 8W	
Operation temperature	0..40°C / 0..80% humidity non-condensed	
Certification	CE	
Outputs DMX-RDM	512 DMX-RDM channels standalone	1024 DMX-RDM channels standalone
Outputs	8 x Digital Out (Clamps 24V DC/ 1A max., optically isolated)	
Inputs	8 x Digital In (Clamps 24V DC., optically isolated)	
Others connections	Ethernet RJ45 10/100Mbit	
Memory	MicroSD-Card for Show-Files	
Operation	2 x 16 Segment LCD Display with 6 keys	
Audio	–	Yes
Standaloneshows	WDS - Streamfile	WDS-Streamfile & Audio file
Interface	2 x 512 DMX-RDM channels for WECS II 2048 (O – Net)	
Scheduler	Full Day- / Week- / Yearplaner	
Special	Dimming by external signal (Oase anemometer Mat.53913)	
Action Manager	Event Actions: Digital Inputs can be linked with actions (waterlevel, windspeed)	
Software	WEPS (WECS II 512/1024) for Windows 7 or better	
In the scope of delivery		
Hardware + MicroSD-Card + Software WEPS (WECS II 512/1024)		
System Documentation		
Order no.	**56491**	**56492**

FONTIMAT, S.A. C/Polea, 1-3 28529 Rivas Vaciamadrid - Madrid Tfno. 916665440 info@fontimat.com