

Fountain control





The next generation of show controllers – from small fountains to large multimedia systems

The WECS® III controllers are the masterminds behind every fountain system. After all, the primary task of a fountain controller is to implement a programmed fountain show – in which effects of water, light and music interplay in a captivating way – with precision and pinpoint accuracy.

Small fountain installations



Perfect for smaller fountain installations with simple fountain effects, or even for building lighting fixtures that are individually controlled. New effect sequences even after long periods of time keep displays looking fresh and exciting.



WECS® III 512/DMX/02

84966

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Medium fountain installations



For medium-sized installations with more components for much more variation in water and light creations – including the possibility of adding music to smaller shows (in sync with the effects).



WECS® III 1024/DMX/02

84967

> Page 282

Multimedia fountain installations



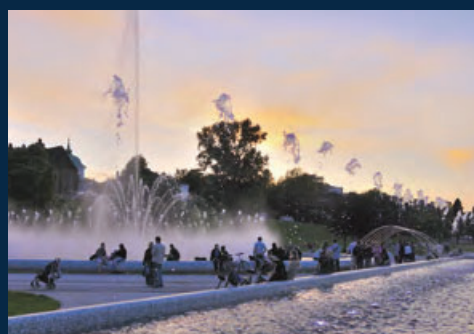
For highly complex shows that combine spectacular fountain arrangements with video projections, 3D laser shows, special effects or other multimedia formats.



WECS® III MULTIMEDIA CONTROLLER D2

58976

> Page 286



WECS® III NODE/DMX/02 FOUNTAIN EXPANSIONS

An ideal addition for the controllers if a large number of additional end devices with a DMX/RDM signal need to be connected or are required to be controlled over longer distances (e.g. in secondary pools).

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**More about
the product!**

Premium performance in every dimension

WECS® – these four letters represent an entire system: the Water Entertainment Control System. It offers incredible possibilities for controlling fountain systems with a variety of technology and components, while simultaneously choreographing them with the programmable show software. These units are true all-rounders with cutting-edge benefits.



ONE FOR ALL

All WECS® controllers are stand-alone devices; no additional PC or other hardware is required.



LONG-TERM PERSPECTIVES

Thanks to their connectivity, adaptability and expansion possibilities, the WECS® controllers are already well equipped for the future.



FULL CONTROL IN PLANNING

With the Depence² software, complete shows can be visualised and fully animated in 3D and in real time with precise fountain and light effects as well as choreographic sequences.



UNLIMITED USE

Due to the open operating system, DMX devices from other manufacturers can also be controlled – even if these are already installed in existing systems.



EASY HANDLING

The show programming can be created externally and in advance via appropriate programs. It is then simply transferred to the controller via USB stick, for example, and the system is ready to go.



INNOVATIVE POSSIBILITIES

Thanks to the fast Ethernet data transfer, new usage options are feasible – for example, interactions from viewers via mobile apps



SOFTWARE FOR THE HIGHEST DEMANDS

The control software used for the controllers is used worldwide for major stage shows such as concerts and musicals – and has been specially configured for fountain shows.

The Water Entertainment Control System in a fountain system

WIND CONTROL VIA ANEMOMETER

The direct connection of a wind anemometer allows the fountain heights to be individually adjusted to the different weather conditions.

THE MASTERMIND
BEHIND EVERY FOUNTAIN
INSTALLATION

Water Entertainment Control System (WECS® III)

THE CREATIVE HEARTBEAT OF
EVERY SYSTEM

The show programming software

CONTROL OF MUSIC EFFECTS

Music and sound systems can be easily controlled via the WECS® controller.

24/7 REMOTE CONTROL OF THE FOUNTAIN SYSTEM

With an Internet connection, the fountain system can be controlled and the show programming adapted from anywhere and at any time.

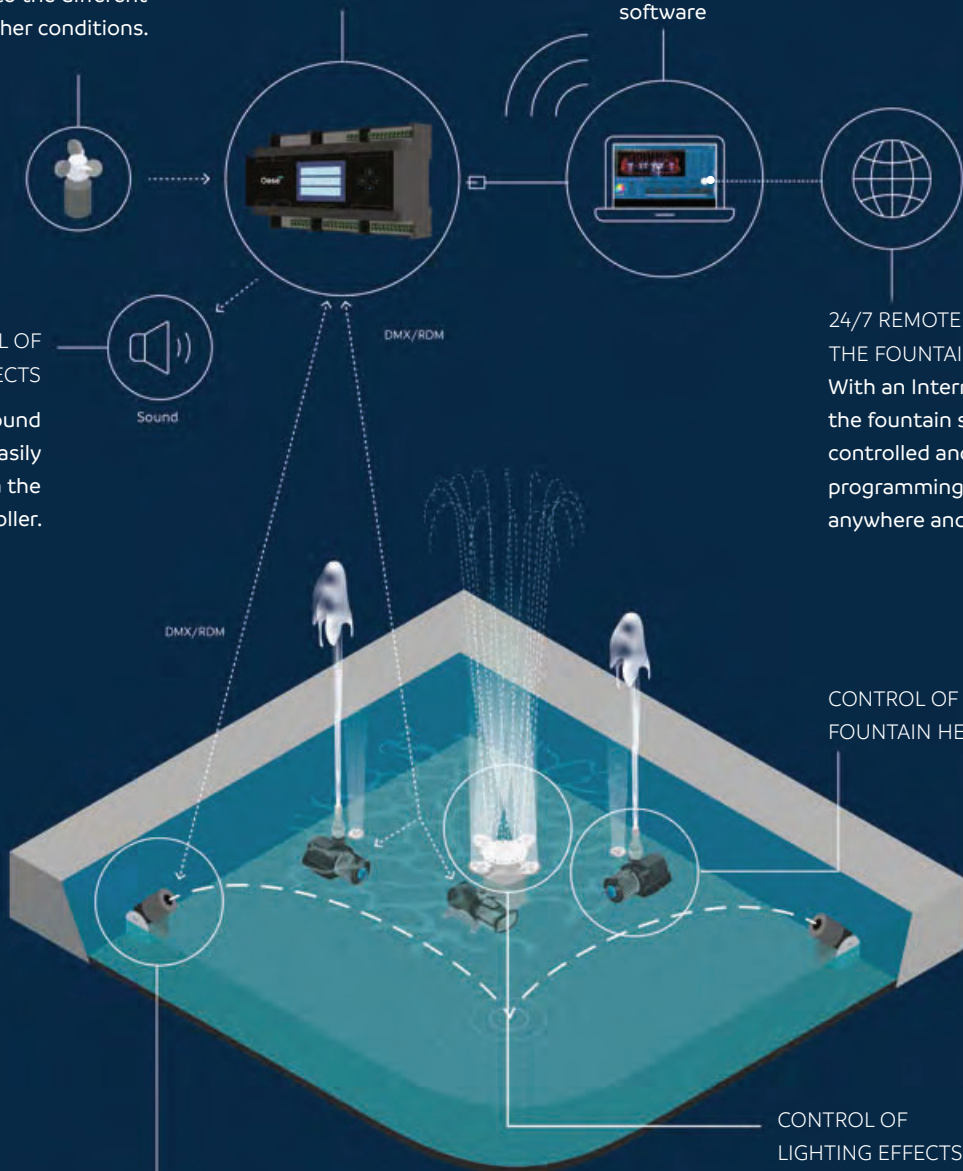
CONTROL OF FOUNTAIN HEIGHTS

CONTROL OF LIGHTING EFFECTS

Fascinating and precise lighting effects can be created within a show with all DMX-controllable LED spotlights in the desired variety of colours.

CONTROLLABLE WATER EFFECTS

For unforgettable water effects, all DMX-controllable devices, such as the JumpingJet Rainbow Flash or the multi-directional drives, can be perfectly choreographed in an entire show.



Power & Programming



**More about
the product!**

WECS® III Controller

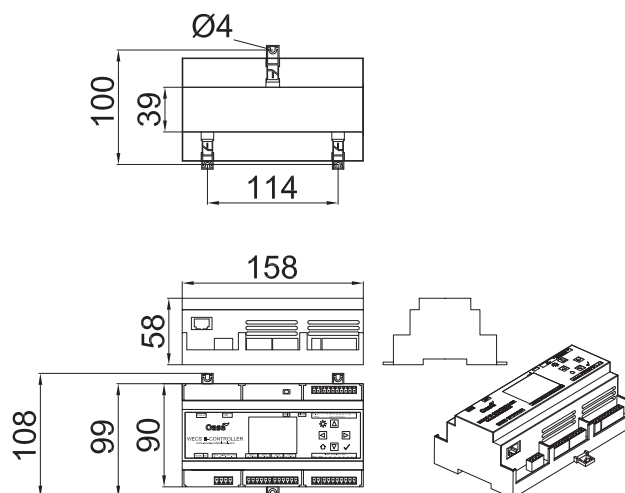
The latest generation of intelligent fountain control:
The OASE Water Entertainment Control System III

- ⊕ Stand-alone entertainment DMX/RDM controller for fountain lighting systems
- ⊕ Additional Ethernet port for system expansion for the WECS® III node/DMX/02
- ⊕ Large and clear colour display for convenient operation
- ⊕ Regular software and firmware updates available – via Ethernet, USB, SD card
- ⊕ Four DMX/RDM ports
- ⊕ Timer: Implement daily, weekly and annual schedules
- ⊕ Sunrise and sunset function: Implement sunrise and sunset actions
- ⊕ 24/7 remote access possible through the integrated web server
- ⊕ For enthralling fountain shows: precise control and coordination of all fountain system components, accurate to the second
- ⊕ At the same time, the bi-directional DMX/RDM connection provides operational status information
- ⊕ 512 to 1024 DMX channels, depending on the model



ACCESSORIES

Product		Item no.
Anemometer K	> Page 336	53913
WECS® III Node/DMX/02	> Page 284	84969
Power supply 85/265V AC/24V DC60W/2.5A	> Page 302	43524
WECS® LTE router	> Page 337	43872



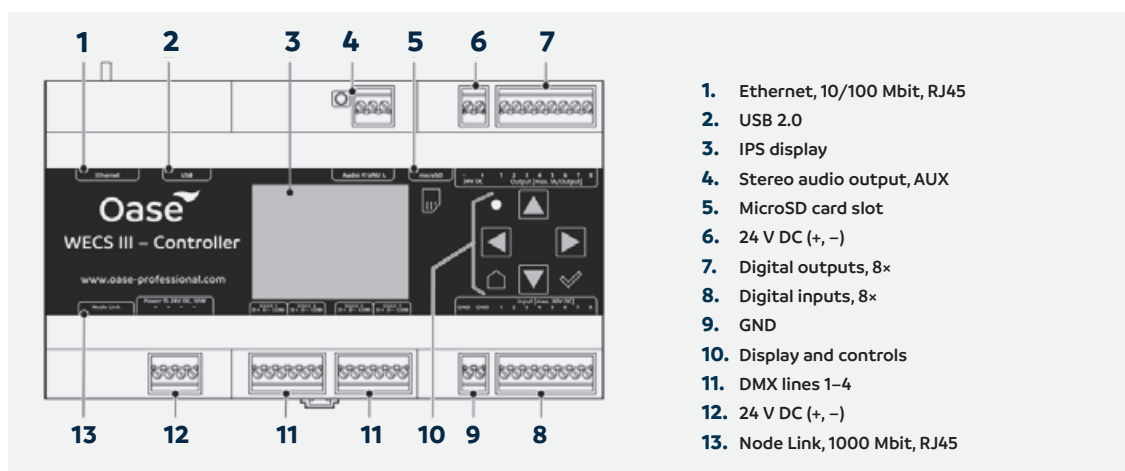
WECS III				
Home Live Panel RDM Files Nodes Settings Log Off				
				
DMX/RDM Status:				
WECS	Port 1	Port 2	Port 3	Port 4
Controller	23/22	30/30	0/0	0/0
Node 1	21/22	0/0	0/0	0/0
Node 2	0/0	0/0	10/10	10/11
Windmaster:				
Windspeed:	Windmaster 1:	Windmaster 2:	Windmaster 3:	Windmaster 4:
0 m/s	100 %	100 %	100 %	100 %
Mast:				
Windmaster:	Submaster 1:	Submaster 2:	Submaster 3:	Submaster 4:
100 %	100 %	100 %	100 %	100 %

POWER & PROGRAMMING

Fountain control
WECS®
III Controller

Voltage
24 V DC

Control system
DMX/RDM



TECHNICAL DATA

Product		WECS® III 512/DMX/02	WECS® III 1024/DMX/02
Dimensions (L x W x H)	[mm]	158 x 94 x 58	158 x 94 x 58
Rated voltage		24 V DC	24 V DC
Rated current	[A]	0.42	0.42
Power consumption max.	[W]	10	10
Protection class		IP20 (power supply)	IP20 (power supply)
Ambient temperature	[°C]	0-40	0-40
Permissible humidity (no condensation)	[%]	0-80	0-80
Number of digital inputs (galvanically isolated)	[Unit]	8	8
Number of digital outputs (galvanically isolated)	[Unit]	8	8
Number of audio outputs, AUX, stereo (galvanically isolated)	[Unit]	0	1
Number of DMX/RDM lines	[Unit]	4	4
Number of DMX channels	[Unit]	512	1024
Number of Ethernet interfaces 10/100 Mbit		1 x RJ45	1 x RJ45
Number of Node Link interfaces 100/1000 Mbit		1 x RJ45	1 x RJ45
Number of USB 2.0 interfaces	[Unit]	1	1
Number of microSD card interfaces (FAT32, max. 32 GB)	[Unit]	1	1
Display type		IPS	IPS
Display resolution	[px]	240 x 320	240 x 320
Weight	[kg]	0.40	0.40
Item no.		84966	84967



More about
the product!

WECS® III Node

Easily connect additional DMX/RDM terminals

- +

Smart node for WECS® III controllers for expanding the control system (master-slave operation)
- +

For expanding the control by four additional DMX/RDM lines in a fountain system or to control a secondary pool
- +

Control via Ethernet using the WECS® III controller
- +

Easy forwarding of large amounts of DMX/RDM data over a high-speed Ethernet connection via optical fibre up to 1 km
- +

Signals are transferred faster and with the highest precision without breaking the system
- +

16 node devices can be connected within a system
- +

Supports up to 2048 DMX-RDM channels directly (four universes)
- +

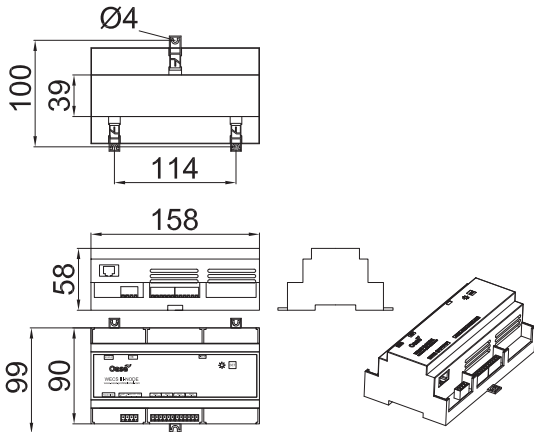
Regular software and firmware updates available – via Ethernet, USB, SD card
- +

24/7 remote access possible through the integrated web server



ACCESSORIES

Product		Item no.
WECS® III 512/DMX/02	> Page 282	84966
WECS® III 1024/DMX/02	> Page 282	84967
WECS® III Multimedia Controller D2	> Page 286	87750



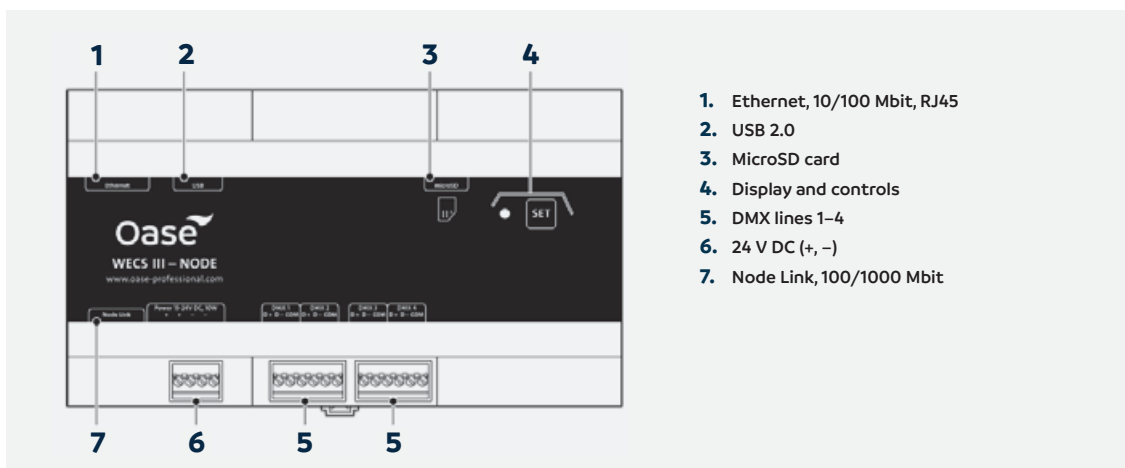


POWER & PROGRAMMING

Fountain control
WECS® III Node

Voltage
24 V DC

Control system
DMX/RDM



TECHNICAL DATA

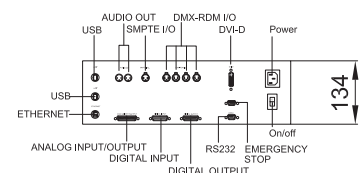
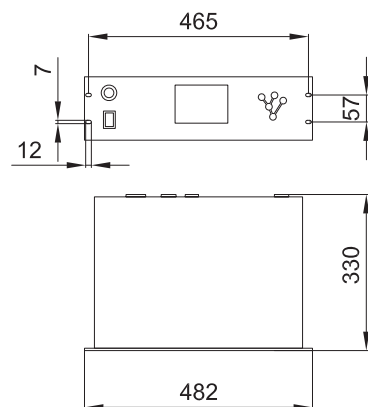
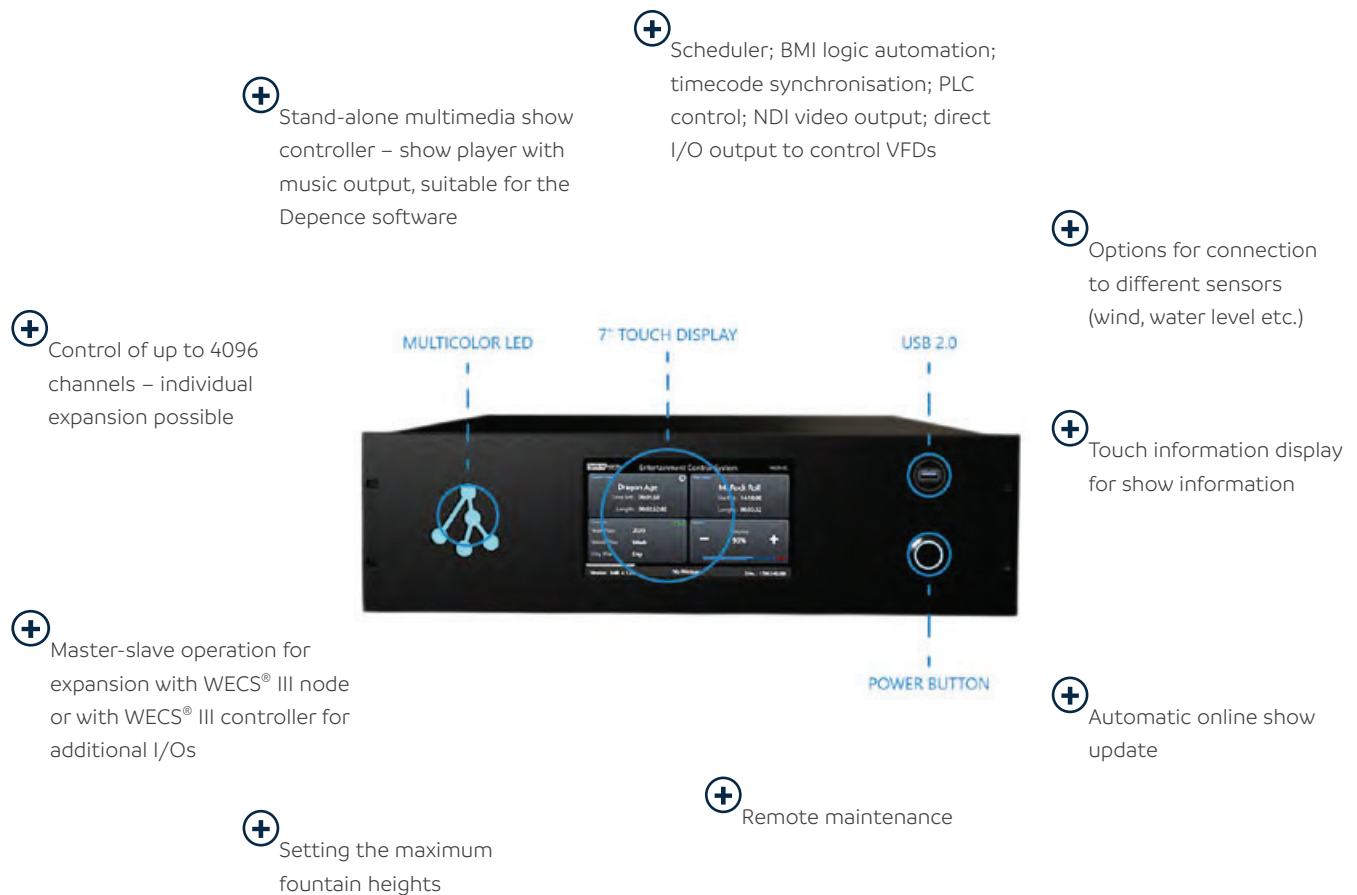
Product	WECS® III Node/DMX/02	
Dimensions (L x W x H)	[mm]	158 x 94 x 58
Rated voltage		24 V DC
Rated current	[A]	0.42
Power consumption max.	[W]	10
Protection class		IP20 (power supply)
Ambient temperature	[°C]	0-40
Permissible humidity (no condensation)	[%]	0-80
Number of digital inputs (galvanically isolated)	[Unit]	0
Number of digital outputs (galvanically isolated)	[Unit]	0
Number of audio outputs, AUX, stereo (galvanically isolated)	[Unit]	0
Number of DMX/RDM lines	[Unit]	4
Number of DMX channels	[Unit]	2048
Number of Ethernet interfaces 10/100 Mbit		1 x RJ45
Number of Node Link interfaces 100/1000 Mbit		1 x RJ45
Number of USB 2.0 interfaces	[Unit]	1
Number of microSD card interfaces (FAT32, max. 32 GB)	[Unit]	1
Display type		IPS
Display resolution	[px]	240 x 320
Weight	[kg]	0.40
Item no.		84969



**More about
the product!**

WECS® III Multimedia Controller D2

The perfect solution for larger installations with complex light and water effects or for sophisticated shows with musical accompaniment.



ACCESSORIES

Product		Item no.
WECS® III Node/DMX/02	> Page 284	84969
WECS® LTE router	> Page 337	43872



POWER & PROGRAMMING

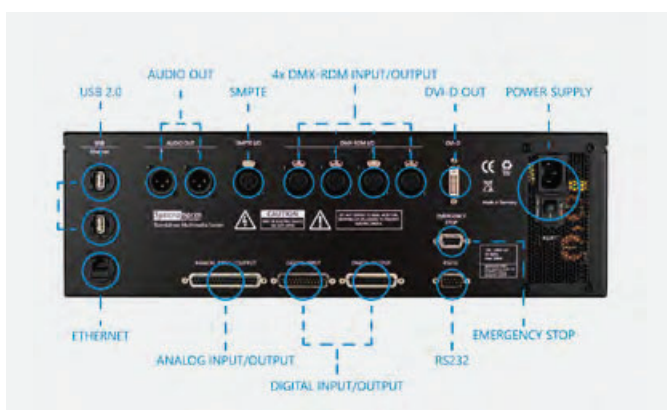
Fountain control
WECS® III Multi-media Controller D2

Voltage
220–240 V/
110–120 V

Frequency
50 Hz/60 Hz

Control system
DMX/RDM

Plug and Spray



TECHNICAL DATA

Product		WECS® III Multimedia Controller D2
Dimensions (L x W x H)	[mm]	482 x 330 x 178
Rated voltage		110 V/230 V, 50 Hz/60 Hz AC
Rated current	[A]	1.53
Power consumption max.	[W]	350
Protection class		IP20
Ambient temperature	[°C]	0–40
Permissible humidity (no condensation)	[%]	0–80
Number of digital inputs (galvanically isolated)	[Unit]	8
Number of digital outputs (galvanically isolated)	[Unit]	8
Number of audio outputs, AUX, stereo (galvanically isolated)	[Unit]	1
Number of DMX/RDM lines	[Unit]	4
Number of DMX channels	[Unit]	4096
Number of Ethernet interfaces 10/100 Mbit		1 x RJ45
Number of Node Link interfaces 100/1000 MBit		1 x RJ45
Number of USB 2.0 interfaces	[Unit]	3
Display type		IPS
Display resolution	[px]	1024 x 600
Weight	[kg]	8.20
Item no.		87750



**More about
the product!**