

The SnakeBox Family

SnakeBoxes are the shipboard devices that provide the platform for the SnakeWays services.

The majority of shipboard “comm boxes” in service today are built on classic network devices using technologies that have been around for a decade and more. SnakeBox is different. Based on the



latest technology, designed initially for smartphones, the SnakeBox is the most cost-effective device of its kind on the market today. The SnakeBox comes in 2 styles to meet all your requirements: SnakeBox S and SL, although small and light, are robust and can fit even in confined spaces. SnakeBox X and XL are sturdy steel devices for rack mounting.

Features

- Industry unique fan-less low-power design runs at 2W with no noticeable heat dissipation
- Highly integrated for a long lifespan
- Five standard Auto MDI-X Ethernet ports (extendable to 12 ports)
- Mounting bracket for a secure rack, bulkhead, or table installation
- Sturdy metal frame case with ABS cover (S/SL) or 1U steel rack case (X/XL)
- Integrated Wi-Fi is usable as an access point (LAN) or managed interface to connect to an external Wi-Fi network (WAN). Single port on S/SL, 4 Wifi-6 MiMo Ports on X/XL models
 - Minimal configuration effort: a true self-install

LTE and GPS Extension

The SL and XL versions feature an integrated 4G/LTE card that gives you access to GSM networks and provides multi-constellation GPS position data.

Configuration and operation of the extensions are fully integrated into the SnakeWays user interface, enabling remote configuration through

SnakeCloud or SnakeBox.

SnakeExtender and SnakeExtender P

The SnakeExtender hardware extensions give customers more flexibility when it comes to the design and support of a network around the SnakeBox family of intelligent routers. With eight ethernet ports plus a dedicated uplink connection, the new SnakeExtender brings the total number of fully managed ethernet ports to 12.

More than an external switch connected to the SnakeBox

Not just a network switch connected to the SnakeBox, the SnakeExtender adds fully managed and controlled Gigabit ports to the SnakeBox. The additional interfaces work in every respect like the internal SnakeBox ports. All circuits are configurable through the intuitive SnakeBox web interface as WAN, LAN or Crew, each with its own IP configuration, firewall settings, and switching rules.



SnakeBox Standard with SnakeExtender

Ready to power all your VoIP phones, Webcams, and Wi-Fi access points

The SnakeExtender P not only adds more ethernet ports, it also provides the best power over ethernet (PoE) capabilities in the industry. All eight ports support standard 802.3af/at active PoE with autodetection and voltage management as well as passive PoE. With an impressive total PoE-out budget of 140 W, the SnakeExtender P can support the most intense scenarios.

Technical Specifications

SnakeBox		
	SnakeBox S / SL	SnakeBox X/XL
Memory	1G DDR3 SDRAM	
Internal SSD	8G eMMC flash	
Data storage	SD card 32GB (optional 128 GB, 256 GB or 512 GB)	
Ethernet ports	5x Auto MDI-X	
CPU	1.3 GHz ARM Cortex-A7	1.35 GHz ARM Cortex-A53
USB port	1 x USB 3.0	
Dimensions	170 x 120 x 50 mm	44.4 mm (1U) x 406 mm x 250 mm
Weight	0.4 kg	2.4 kg
Power supply	Eternal adapter 100-240V AC, 12V 2A DC	
Approvals	CE FCC RoHS	
Operating	-10°C to 70°C, 15% to 95% relative humidity (non-condensing)	

SnakeExtender & SnakeExtender P		
	SnakeExtender	SnakeExtender P
Dimensions	200 x 164 x 44 mm	272 x 216 x 50 mm
Weight	0,52 Kg	1,4 Kg
Operating	-20°C to 60°C	-40°C to +70°C
Max power consumption	11 W	162W
Power supply	External 100-240V AC	Internal 100-240V AC
PoE-out	-	802.3af/at & Passive PoE
PoE-out ports	-	max out per port (< 30 V): 1000 mA max out per port (> 30 V): 625 mA
Approvals	CE EAC RoHS	
Operating	-10°C to 70°C, 15% to 95% relative humidity (non-condensing)	
Rack mount brackets	✓	✓