



# SIRIUS

## High-Performance 1/10/20/40 GbE Packet Capture & Storage Solution

Designed to meet today's demand for high speed, high traffic packet capture on IP networks.

Capable of up to sustaining, lossless 40 Gbps capture to disk regardless of packet sizes.

Rich functionality that compliments user's demand for network capture, storage and analysis.

### Key Features

- Intuitive and userfriendly GUI for operations and configurations
- Powerful capture configuration supports packet slicing, file rotation and data protection Mechanism
- Smart Hardware Filter Engine allows robust and flexible filter conditions on network traffic
- RESTful API for remote access to stored data, pcap files and statistics. Enables integration with 3rd party appliances and custom scripts
- Built-in packet decode display allows viewing of packet data directly on the GUI
- Packet index and search 7 tuple; search packets using address, IP, protocol, time, etc.
- Logging System categorises system messages
- Support SNMP traps, remote syslog, internal application log for alerts and security logging
- Real-time and historical packet statistics and graph display
- Support 40 Gbps capture to disk regardless of packet size
- Highly customisable storage configurations
- Microseconds statistics statistics allow in-depth microburst analysis



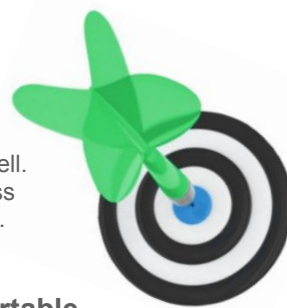
### Solutions with SIRIUS

SIRIUS is an advanced "solution oriented" platform as well. For specific objectives in analysis, within various business section, we develop individual applications and solutions.



### SIRIUS Ease of Use

The intuitive Graphical User Interface and its responsive Look & Feel across all your desktop and mobile devices is common to all models.



### SIRIUS Portable

The SIRIUS Portable is the perfect mobile solution for on-demand packet capture, with 1G, 10G or 40G interfaces, capable of 20 Gbps line-rate capture performance.

Available with a storage capacity up to massive 32Terabyte.

### SIRIUS Portable Mini

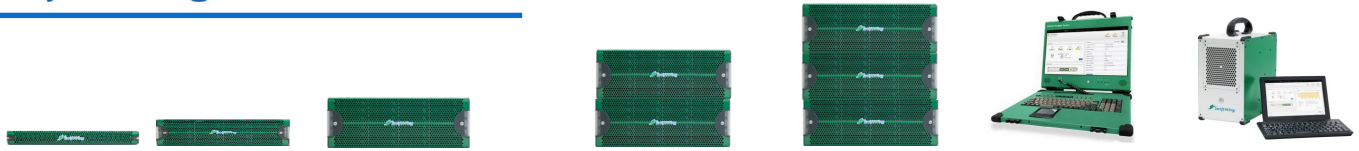
The SIRIUS Portable Mini is a ultracompact, most portable system with 4x 1GbE or 2x 10GbE Interface, ensuring at up to 7Gbps accurate line-rate capture & storage.

Storage capacity starts at 2,56TB.

### 19" Stationary Appliances

The SwiftWing SIRIUS stationary appliances for most demanding tasks at Enterprise or Datacenter level up to true lossless 40 Gbps full line-rate capture at any packet size.

This is a line of 19" systems, scalable by speed (4 to 40Gbps) and storage capacity (currently up to **3.600TB**).



Deployment	Data Center, Enterprise			Data Center, Server Access Layer Long-Term Retention, Core Server Access Layer		Anywhere - suitable for Field Engineer		
Rackmount	1U	2U	4U	various types <sup>(3)</sup> and <sup>(4)</sup>		Portable	Portable Mini	
Dimension (WxHxD / mm)	483 x 44 x 700	483 x 88x 700	483 x 176 x 700	Type M2: 483 x 176 x 700 (Main Unit) plus 1x: 483 x 176 x 482 (2nd Unit) Type M2L: 483 x 176 x 700 (Main Unit) plus 1x: 483 x 176 x 482 (2nd Units) Type M3: 483 x 176 x 700 (Main Unit) plus 2x: 483 x 176 x 482 (2nd Units) Type M3L: 483 x 176 x 700 (Main Unit) plus 2x: 424 x 175 x 1100 (2nd Units) Type M4L: 483 x 176 x 700 (Main Unit) plus 3x: 424 x 175 x 1100 (2nd Units)	Type M5: 483 x 176 x 700 (Main Unit) plus 4x: 424 x 175 x 1100 (2nd Units) Type M5L: 483 x 176 x 700 (Main Unit) plus 4x: 424 x 175 x 1100 (2nd Units) Type M6L: 483 x 176 x 700 (Main Unit) plus 5x: 424 x 175 x 1100 (2nd Units) Type M7L: 483 x 176 x 700 (Main Unit) plus 6x: 424 x 175 x 1100 (2nd Units) width = 483 mm = with chassis ears width = 424 mm = w/o 19" rail system	436 x 329 x 185	180 x 325 x 330	
Weight (appr. kg)	17	25	40 45 (48TB Model)	115 (Type M2) 135 (Type M2L) 185 (Type M3L) 300 (Type M4L)	390 (Type M5L) 480 (Type M6L) 570 (Type M7L)	13	7	
Processor	Dual Intel 6-Core Xeon						Dual Intel 4-Core	
Memory	Standard: 32 GB (maximum 128 GB)						32 GB	16 GB
Capture Storage <sup>(8)</sup> (TB)	8	24	24 / 48 / 72 96 / 120 (128)	144 / 192 / 288 (Type M2) 360 / 480 (Type M2L) 288 / 432 (Type M3) 480 / 720 / 960 / 1.200 (Type M3L) 1.440 / 1.800 (Type M4L)	600 / 720 / 960 (Type M5) 2.400 (Type M5L) 3.000 (Type M6L) 3.600 (Type M7L)	16 (4Gbps) 16/32 (20Gbps)	2,56 / 5	
RAID	RAID5 or RAID6, OS Drive RAID1 RAID50 or RAID60, OS Drive RAID1 (M2 to M7L)						RAID 0/5 (4Gbps) RAID 50/60 (20Gbps)	RAID 0 / 5
Capture Interface <sup>(5)</sup> <sup>(7)</sup>	4 x SFP <sup>(2)</sup>		4x SFP <sup>(2)</sup> (4 Gbps) 2x SFP+ (20 Gbps) 4x SFP+ (40 Gbps) 2x QSFP+ (40 Gbps)	2 x SFP+ 4x SFP+ (M3L to M7L)		4 x SFP <sup>(2)</sup> (4 Gbps) 4x SFP+ (20 Gbps) 2x QSFP+ (20 Gbps)	4 x SFP <sup>(2)</sup> (4 Gbps) 2x SFP+ (10 Gbps)	
Capture to Disk Performance <sup>(1)</sup>	4 Gbps		4 Gbps (4 Gbps) 12 Gbps (20 Gbps) 20 Gbps (20 Gbps) 40 Gbps (40 Gbps)	20 Gbps 40 Gbps (M3L to M7L)		4 Gbps (4 Gbps) 20 Gbps (20/40 Gbps)	4 Gbps (4 Gbps) 7 Gbps (10 Gbps)	
Accessories							Soft carry case with wheels Portable Mini only: 10.1" Display, Mouse & Minikeyboard	
Ordering Number	1U Model: LCS2H-1U-4G-8T-xx*  2U Model: LCS2H-2U-4G-24T-xx*	LCS2H-4U-4G-48T-xx* LCS2H-4U-4G-72T-xx*  LCS2H-4U-4G-96T-xx* LCS2H-4U-4G-120T-xx* <sup>EOL</sup> LCS2H-4U-4G-128T-xx* LCS2H-4U-20G-48T-T1S  LCS2H-4U-20Gi-72T <sup>EOL</sup> LCS2H-4U-20Gi-96T LCS2H-4U-20Gi-120T <sup>EOL</sup> LCS2H-4U-20Gi-144T  LCS2S-4U-4XG-24T-xx* LCS2S-4U-4XG-48T-xx* LCS2S-4U-4XG-96T-xx*  LCS2S-4U-80Gi-24T LCS2S-4U-80Gi-48T LCS2S-4U-80Gi-96T	LCS2H-8U-20G-144T-M2 <sup>EOL</sup> LCS2H-8U-20G-192T-M2  LCS2H-8U-20G-288T-M2 LCS2H-8U-20G-360T-M2L LCS2H-8U-20G-480T-M2L  LCS2H-12U-20G-288T-M3 LCS2H-12U-20G-432T-M3 LCS2H-12U-20G-480T-M3L  LCS2H-12U-20G-720T-M3L LCS2H-12U-20G-960T-M3L  LCS2H-12U-20G-1200T-M3L LCS2H-20U-20G-600T-M5 <sup>EOL</sup> LCS2H-20U-20G-720T-M5 <sup>EOL</sup> LCS2H-20U-20G-960T-M5 <sup>EOL</sup>	LCS2H-16U-4XG-1440T-M4L LCS2H-16U-4XG-1800T-M4L  LCS2H-20U-4XG-2400T-M5L LCS2H-24U-4XG-3000T-M6L LCS2H-28U-4XG-3600T-M7L	LCS2H-PA2-4G-16T-xx*  LCS2S-PA2-20G-8T LCS2S-PA2-20G-16T LCS2S-PA2-20G-32T LCS2S-PA2-80Gi-8T LCS2S-PA2-80Gi-16T LCS2S-PA2-80Gi-32T	LCS-PM2-4G-S512-xx*  LCS-PM2-4G-S1000-xx*  LCS-PM2-20Gi-S512	* Select: C2= 2 channels, 2x Full Duplex, 2 volumes C1= 1 channel, 4 Port Aggregation, 1 volume	* Select: C2/F2= 2 channels, 2x Full Duplex, 2 volumes C1/F1= 1 channel, 4 Port Aggregation, 1 volume

<sup>(1)</sup> Performance is measured with 64 bytes packet size

<sup>(2)</sup> available in Versions: 2 channel = 2x FDX = 2 volume recording or 1 channel = 4 Port Aggregation = 1 volume recording

<sup>(3)</sup> Standard 4U chassis

<sup>(4)</sup> 4U storage chassis

<sup>(5)</sup> All SFP available in 1000BASE-SX or LX or 10/100/1000BASE-T; all SFP+ in 10GBASE-SR, LR or ER; QSFP+ in 40GBASE-SR4 (6) Type 1 & Type 2 also available

<sup>(6)</sup> no SFP/SPF+ oder QSFP Modules are included

<sup>(8)</sup> Capture storage per unit and maximum capture storage capacities are increasing frequently - ask for latest status



**For inquiries & ordering information:**

About ComWorth: SwiftWing SIRIUS is made by the ComWorth Manufacturing Division and the flagship brand, developed and produced for most demanding requirements in network monitoring and analysis.

Founded in 1965, with our headquarter in Tokyo, ComWorth has almost 50 years experience in serving to industry to a wide range of customers in the telecommunications, enterprise, finance, research & development and government sector.

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