SYMKLOUD-MS
OneClick Bundle 3.11.01
Release Notes

PCN no.: 1906

Revision	Brief Description of Changes	Date of Issue
1.0	Initial release[1]	15-May-2019

[1] Based on template rev.1.0 – 2018.03.28

1/ Description of the change(s)

The Jumpy Elfin firmware release (version 3.11.01) is now available for the SYMKLOUD-MS platform, which includes a new OneClick bundle.

1.1. OneClick bundle 3.11.01

The versions of each firmware component included in the bundle are listed below, with those that have been updated (vs. the versions included in the previous bundle) highlighted in **bold**. The changes introduced in each individual firmware component are listed in section "4/ Individual Changelog" of this document.

	Product	Component	Previous version	New version
	OneClick Bundle MS29XX		3.10.00 (Intelligent Elfin)	**3.11.01 (Jumpy Elfin)**
Hub Nodes	MSH8900	ShMC	3.17.0930e581	**3.18.09340370**
		FPGA	2.06	same
	MSH8910	ShMC	2.20.0930e581	same
		FPGA	1.12	same
	MSH8920	ShMC	1.17.0130f417	same
		FPGA	1.05.0800D656	same
Compute Nodes	MSP800x	BIOS	1.00	same
		IPMC	3.33.0916B3EC	same
		FPGA	1.10	same
	MSP802x	BIOS	2.20.0926E48B	same
		IPMC	2.20.0122BB90	same
		FPGA	2.14	same
	MSP803x	BIOS	2.16	same
		IPMC	1.01.090A145F	same
		FPGA	1.00	same
	MSP804x	BIOS	1.53.09289D8D	same
		IPMC	1.16.0930FC99	same
		FPGA	2.02	same
	MSP805x	BIOS	1.05.0926BD66	same
		IPMC	1.07.0930E5C2	same
		FPGA	1.02	same
	MSP806x	BIOS	1.09.09289d49	same
		IPMC	1.09.0130f42b	same
		FPGA	1.01.0800f920	same

2/ Change Classification

Classification	o	Maintenance release, Product improvement
Application	o	The Firmware is field upgradeable

3/ Impact on customer application and recommended actions

In order to benefit from the latest features, enhancements and fixes, Kontron recommends that customers upgrade all SYMKLOUD-MS systems and components to the latest firmware versions as soon as is practical.

4/ Individual Changelogs

NOTE: This table only includes firmware components whose versions have changed since the previous bundle release.

Product	Component & *Version*	Changelog
MSH8900	ShMC **3.18.09340370**	**Changes since 3.17.0930e581 FW:** o Fixed a bug with the SNMP code where a null (empty) value was returned as the result of NodeAlarm. It is now reporting "None" as intended. o Fixed an issue in the system monitor where when Shared IP address was applied to a pair of MSH8900 an error message was received. o Fixed an issue where the API SystemInformation would return HubNode2 Status as Healthy even if unable to communicate with HubNode1. o Fixed an issue where the payload NIC information of a MSP802x node would not be properly reported; Defaults values were displayed instead. o Fixed an issue where users could not use IPMI passwords that were longer than 16 characters. o Fixed a bug where an event storm could happen if the nodes were configured to stay in M1 state after connecting the power supplies to the chassis. o New feature added to allow Kontron's technicians to quickly download a debug log bundle with an IPMI raw command. **Known limitations :** o There is a known bug with IPMI passwords which have exactly 16 characters. Therefore, we encourage users to set a password that contains either less than 16 characterss, or between 17 and 20 characters. A fix will be provided for this on the next firmware release.

5/ Associated Network OS

5.1. : Release History

Firmware Package Version	Release Date	Chassis Support	MSH8900	MSH8910	MSH8920
3.11.00	Feb-2019	MS29xx MS1300	2.22	GA4.50	1.7.2-12
3.10.00	Feb-2019	MS29xx MS1300	2.22	GA4.50	1.7.2-12
3.09.01	Jan-2019	MS29xx	1.14	GA4.50	1.6.4-24
3.08.00	Oct-2018	MS29xx	1.14	GA4.50	1.6.4-24
3.07.00	Apr-2018	MS29xx	1.14	GA4.50	1.6.4-24
3.06.02	Feb-2018	MS29xx	1.14	GA4.50	1.6.4-24
3.05.01	Dec-2017	MS29xx	1.12	HOTFIX4.00	1.5.4-32
3.04.05	Apr-2017	MS29xx	1.12	HOTFIX4.00	N/A
3.00	May-2016	MS29xx	1.12	HOTFIX3.02	N/A
2.16	Sept-2015	MS29xx	1.12	GA2.01	N/A

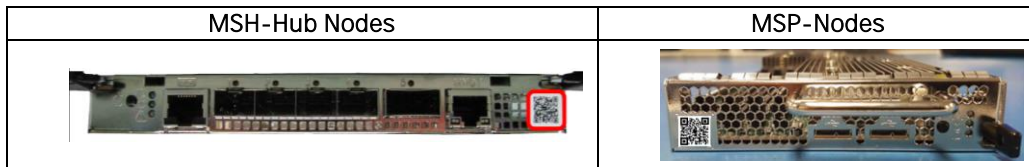# 6/ How to identify your product

<u>MSH-Hub Nodes and MSP-Nodes</u>

<u>Electronically:</u>
- From the System Monitor WebUI/API (including SystemInformation.txt)
- From any specific component's ipmitool interface (IoL, serial, etc.) with the command 'hpm check'

<u>Physical labels:</u>
- Each MSH-Hub Nodes and MSP-Nodes includes a 2D barcode on its faceplate, encoding the following details:

Board serial number   90xxxxxxxx
Board part number   xxxx-xxxx
Batch ID   xxyyzzzzzz
Base MAC address   00:A0:A5:xx:xx:xx

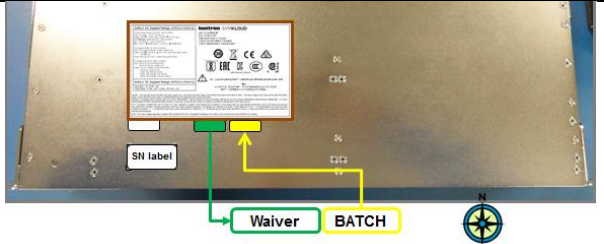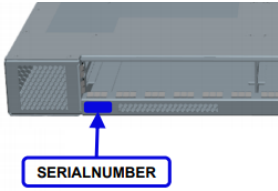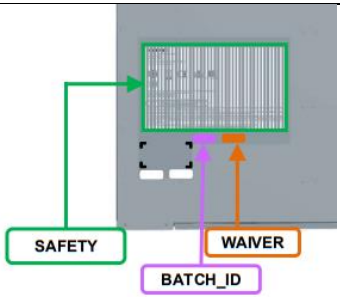| MSH-Hub Nodes	MSP-Nodes

<u>MS29xx Chassis</u>

<u>Electronically:</u>
- From the Active ShMC's ipmitool interface (IoL, serial, etc.) with the command 'fru print'; the Chassis SN/PN is listed under FRU Device Description : "PDB 1 (ID 128)" and "PDB 2 (ID 130)"

<u>Physical labels:</u>
- Located on the top-cover of the system, the serial number and Batch ID labels encode:

Board serial number   90xxxxxxxx
Board part number   xxxx-xxxx
Batch ID   xxyyzzzzzz

The System serial number is also encoded on the front-faceplate 'Symkloud' Label (shown below).

Chassis	Front (left-side)	Top (Front-Left corner)
MS29xx		
MS13xx		

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Kontron designs hardware for the software-defined world. Service providers and enterprise clients around the globe collaborate with Kontron and its ISV and channel partners to deploy new services with greater speed, confidence and operational efficiency. Our portfolio is a best-of-breed of OEM hardware and SYMKLOUD Open Infrastructure Platforms dedicated to the deployment of virtual services using software defined networks (SDN) and network functions virtualization (NFV). For more information, please visit www.symkloud.com or www.kontron.com/communications.

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