INTRACOM TELECOM

omniBAS

MTS new HW and SW Releases

Wireless Network Systems Business Division

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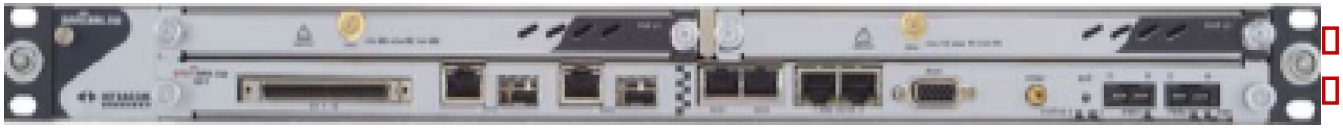
sitronics telecom solutions

2W HW models & modems



- HW Model : 2W16E1
- HW Code: 1220 or 1222

- PtP-R Modem (256QAM)

- PtPv3 Modem (2048QAM) - NEW

- In System Version shown in Node Manager the HW code can been seen e.g. 3.2_1220_1.3.0.build_6
- 2W16E1 has a HW code 1222 when v3 modems are installed
- PTPv3 cannot be mixed with PTP-R modem in the same 2W 16E1 unit

4W HW models & modems

- HW Model : 4WHE
- HW Code: 1410

- HW Model : 4Wv2 - NEW
- HW Code: 1423

Fan with v2 sign

- PtP-R Modem (256QAM) – 4WHE

- PtPv3 Modem (2048QAM) – 4Wv2 (NEW)

- In System Version shown in Node Manager the HW code can been seen e.g. 5.3_1423_3.0.0.build_22
- 4WHE and 4Wv2 have different cards and chassis.
- 4Wv2 use the same cards as 8W. Only chassis changes. SW is common.
- 4Wv2 has a HW code 1423 no matter the modem installed

8W HW models & modems

- HW Model : 8W
- HW Code: 1821 or 1823

- PtPv2 Modem (256QAM)

- PtPv3 Modem (2048QAM) - NEW

- In System Version shown in Node Manager the HW code can been seen e.g. 5.3_1823_3.0.0.build_22
- 8W use the same cards as 4Wv2. Only chassis changes. SW is common.
- 8W has a HW code 1821 in R5.1-5.2 release (no v3 modem supported)
- 8W has a HW code 1823 in R5.3 release (v3 modem support added)

ODU HW models

- HW Model : CFr
- SW Code: 1.xx
- 256QAM/56MHz

- HW Model : CHP
- SW Code:1.xx
- 128QAM/28MHz
- 256QAM/28MHz – PTPv3

- HW Model : CFe
- SW Code: 3xx
- 256QAM/56MHz
- 2048QAM/56MHz – PTPv3

- In Inventory shown in Node Manager the ODU Software Version and ODU Model can been seen
- CFe have an serial number starting with “E” in label (not seen in SW)
  - In 1st shipments “E” is missing
- CFr have an serial number starting with “R” in label (can be seen in SW)

H/W and S/W version dependencies

2W16E1	Software version	
	3.2_1220_ 1.3.0.build_6	5.1_1220_1222_ 1.4.0_build_24
PTP-R	Yes	Yes
PTPv3	No	Yes

4WHE	Software version	
	3.2_1410_ 1.4.0.build_4	3.3_1410_1.5.0.build_3 or newer
PTP-R	Yes	Yes

8W	Software version		
	5.1_1821_ 2.0.0.build_16	5.2_1821_ 2.1.0.build_28	5.3_1823_1423_ 3.0.0.build_22
PTPv2	Yes	Yes	Yes
PTPv3	No	No	Yes

4Wv2	Software version
	5.3_1823_1423_ 3.0.0.build_22
PTPv3	Yes

- 4WHE does not support PTPv2 & PTPv3
- 8W and 4Wv2 have common controller, but only the newer model with two POWER inputs
- 8W and 4Wv2 have common software, but 4Wv2 is supported in 5.3 release

HW and SW compatibility (1/3)

	FW Release 3.2 (2W16E1-4WHE) 5.2 (8W)	FW Release 5.1 (2W16E1) 5.3 (4Wv2-8W)
2W16E1-4WHE Modem R 8W Modem v2 (256QAM)	Yes	Yes
4Wv2 Modem v2 (256QAM) – 2W16E1-4Wv2-8W Modem v3 (1024QAM)	No	Yes

- 4WHE does not support PTPv2 & PTPv3
- 2W Modem v3 when fitted in chassis, the firmware 5.1 is needed
- 4Wv2/8W Modem v3 when fitted in chassis, the firmware 5.3 is needed

H/W version dependencies – 2W/4W

2W Units	Hardware model
	2W16E1
PTP-R	Yes
PTPv2*	Yes
PTPv3	Yes

2W Modems	Modem model		
	PtP-R	PTPv2*	PTPv3
PTP-R	Yes	Yes	No
PTPv2*	Yes	Yes	No
PTPv3	No	No	Yes

4W Units	Hardware model	
	4WHE	4Wv2**
PTP	Yes	No
PTPv2	No	Yes
PTPv3	No	Yes

4W Modems	Modem model		
	PtP	PTPv2	PTPv3
PTP	Yes	Yes	No
PTPv2	Yes	Yes	No
PTPv3	No	No	Yes

*** 2W PtPv2 modems is the new 256QAM modem (works with CHP)**

**** 8W supports same modems as 4Wv2**

***** ODUs (CFr/CFe) are fully interoperable and work with all modems (PTP-R, PTPv2, PTPv3)**

ODU Modulation Support – CFr/CFe

7MHz	Hardware model	
	CFr/CHP	CFe
256QAM	No*	Yes
512QAM	No	Yes
1024QAM	No	No
2048QAM	No	No

14MHz	Modem model	
	CFr/CHP	CFe
256QAM	Yes	Yes
512QAM	No	Yes
1024QAM	No	Yes
2048QAM	No	No

28MHz	Hardware model	
	CFr/CHP	CFe
256QAM	Yes	Yes
512QAM	No	Yes
1024QAM	No	Yes
2048QAM	No	Yes

56MHz	Modem model	
	CFr/CHP	CFe
256QAM	Yes/No	Yes
512QAM	No	Yes
1024QAM	No	Yes
2048QAM	No	Yes

*** 128QAM @ 7MHz is supported in CFr**