



CP-IP-02 Module

Product Release Notes

Feature Release

December 2023

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Revision 1.7

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Revision History

Date	Revision	Description	Author
12/4/2021	1.0	1.5.0 Release Notes	RF
10/6/2022	1.1	1.5.3 Release Notes	RF
26/9/2022	1.2	1.5.5 Release Notes	RF
6/3/2023	1.3	1.5.7 Release Notes	RF
4/8/2023	1.4	1.6.0 Release Notes	RF
16/9/2023	1.5	1.6.1 Release Notes	RF
15/11/2023	1.6	1.6.3 Release Notes	RF
15/12/2023	1.7	1.6.4 Release Notes	RF

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Feature Release V1.6.4

Release NO.

CP-IP-02_V1.6.4.WVUpgrade

Release Date

December 15, 2023

New Features

1. The SNMP supports to modify the IP output bitrate on the 2 decimal points.

Resolved Issues

1. Resolved the issue that when user modifies the 2 decimal point, the bitrate on the status shows different format.
2. Resolved the issue that the module could not scan the program name on some special ts.
3. When the license date of module is less than 30 days, the status light on the front panel would bright red light.

Test Results

positive

Remaining Issues

1. The PCR jitter of multiplexing output doesn't meet this criterion about $\leq \pm 500$ ns.

Feature Release V1.6.3

Release NO.

CP-IP-02_V1.6.3.WVUpgrade

Release Date

November 15, 2023

New Features

1. The IP Output bitrate supports 2 decimal places.
2. Under the ATSC standard, change the modulation_mode value of TVCT table to 0x04 (ATSC 8-VSB).
3. Under the ATSC standard, change the modulation_mode value of CVCT table to 0x04 (SCTE_mode_2 256-QAM).
4. Newly add the SI table configuration feature.

Resolved Issues

1. Resolved the issue that after user set the port 2 as the internal port, the SNMP would still get the value from the external port
2. Resolved the issue that the SNMP could get the effective and total bitrate of the port 1 IP output even though the channels don't have the bitrate.
3. Resolved the issue that the SNMP could issue 0 for the destination port.
4. Resolved the issue that the output program info/input direction could not be cleared.
5. Resolved the issue that the EMM PID destination info could not be deleted when user clear the configuration on output side.
6. Resolved the issue that module would report the CRC error when user changes the Network ID on NIT table.



Test Results

positive

Remaining Issues

1. The PCR jitter of multiplexing output doesn't meet this criterion about $\leq \pm 500$ ns.

Feature Release V1.6.1

Release NO.

CP-IP-02_V1.6.1.WVUpgrade

Release Date

September 16, 2023

New Features

1. In the service configuration setting, user could expand/fold the program and PID information on the TS level.

Resolved Issues

1. Resolved the issue that after user multiplexing the stream which have too many PIDs to another Data port, the Web GUI could not be accessed.

Test Results

positive

Remaining Issues

1. The PCR jitter of multiplexing output doesn't meet this criterion about $\leq \pm 500$ ns.
2. User could set over 390Mbps on the single output bitrate through SNMP.

Feature Release V1.6.0

Release NO.

CP-IP-02_V1.6.0.WVUpgrade

Release Date

August 4, 2023

New Features

1. Newly add total bitrate display on NMS
2. Newly add non-packet on the output.
3. Newly add SNMP feature.
4. Newly add the feature that user could remove the signal channel configuration on IP input.

Resolved Issues

1. Resolved the issue that the source channel display would be different when configure the same channel using bypass and multiplex to other modules.
2. Resolved the issue that the unicast output is abnormal and carries PCR errors.
3. Resolved the issue that the module sometime would report "time out" error while user is configuring.
4. Resolved the issue that the Tx interval time couldn't be controlled.
5. Resolved the issue that user couldn't multiplex the needed table which is from the no-program stream via adding PID to other module.

Test Results

positive

Remaining Issues

None



Feature Release V1.5.7

Release NO.

CP-IP-02_V1.5.7.WVUpgrade

Release Date

March 8, 2023

New Features

1. The NIT Transport Stream maximum additional number adjust into 96..

Resolved Issues

1. Resolved the issue that there's no EMM output when receive scrambled ts and multiplex to IP output..
2. Resolved the issue that Web might report error when configure NIT Network and NIT Stream.
3. Resolved the issue that the input won't be cleaned when use bypass IP output and then clear the configuration.

Test Results

positive

Remaining Issues

1. Need to give the restriction to the port 0.
2. Need to optimize the PCR jitter issue.

Feature Release V1.5.5

Release NO.

CP-IP-02_V1.5.5.WVUpgrade

Release Date

June 10, 2022

New Features

1. Synchronize the modification of LCN.
2. Newly add SFP software adaption.

Resolved Issues

1. Resolved the issue that the status light of the RJ45 port would be always on or off, and the light of other side doesn't bright.
2. Resolved the issue that the port 1/2 sometimes would lost the input configuration.
3. Resolved the issue that after configuring descramble at CR-DVBC-00, multiplex the signal to baseboard IP output or CP-IP-02 output, click the "Apply" would report "configuration overtime".

Test Results

positive

Remaining Issues

1. Sometimes couldn't export the MIB file.
2. Environment: [CMP201+CP-IP-02].

The IP input from CP-IP-02, multiplex the output to modulation and IP output all had PCR error



Feature Release V1.5.3

Release NO.

CP-IP-02_V1.5.3.WVUpgrade

Release Date

June 10, 2022

New Features

1. Synchronize LCN modification.

Resolved Issues

1. Resolved the issue that the RJ45 port of the status light would be always on or off, and on the other side, the light wouldn't on either.
2. Resolved the issue that after the port 1/2 having configured the program, disconnected the input source network, rebooted the sub-board and waited for a while, that the port 1/2 would have input configuration missing issue.
3. Resolved the issue that when set the sub-board IP output packages number to 1 would appear serious mosaics.
4. Resolved the issue that the CR-DVBC-00 module configured descrambling, multiplex the signal to baseboard IP output and CP-IP-02 output, click the "Apply" would remind "configured timeout".

Test Results

positive

Remaining Issues

1. When the import configuration contains unicast, after importing the configuration, the sub-board couldn't support VLAN.
2. Environment: [CMP201+CP-IP-02].

The IP input from CP-IP-02, multiplex the output to modulation and IP output all had PCR error



Feature Release V1.5.0

Release NO.

CP-IP-02_V1.5.0.WVUpgrade

Release Date

April 12, 2022

New Features

1. Newly add the ethernet port configuration.
2. Newly add the switch of auto program scan.
3. Optimize the mechanism of program scan.

Resolved Issues

1. Resolved the issue that the second IP port couldn't normally receive and output with the 100M switcher.
2. Resolved the issue that the configuration file exceed the limit value would lead to the export configuration file abnormal.
3. Resolved the issue that long-term running the sub-board would have a small probability that couldn't log in the network management.
4. Resolved the issue that there's a low probability that software reboot the chassis would lose the parameter configuration.

Test Results

positive

Remaining Issues

1. When import the configuration file which have unicast input, the sub-board would not support VLAN.

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