ZXA10 C300 V2.0.1P3 Patch

Release Notes

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# version description

The detail information of C300V2.0.1P3T17 version is as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| card name | file name | version tag | version length | build time |
| CICG | CICG.BT | V4.0.7 | 207016 | 2015-04-03 15:16:00 |
| CICG.FW | V2.0.1P3 | 12748 | 2015-07-12 02:55:49 |
| CICG.MVR | V2.0.1P3 | 693646 | 2015-07-12 02:18:54 |
| CICK | CICK.BT | V4.0.7 | 330092 | 2015-04-22 09:35:46 |
| CICK.FW | V2.0.1P3 | 59015 | 2015-07-12 02:55:49 |
| CICK\_LX.MVR | V2.0.1P3 | 2435224 | 2015-07-12 02:55:49 |
| CTLA | CTLA.BT | V4.0.7 | 374320 | 2015-04-03 15:16:00 |
| CTLA.FW | V2.0.1P3 | 32227 | 2015-07-12 02:55:49 |
| CTLA.MVR | V2.0.1P3 | 969721 | 2015-07-12 02:56:29 |
| CTBB/CTTB | CTTB.BT | V4.0.7 | 391008 | 2015-04-03 15:16:00 |
| CTTB.FW | V2.0.1P3 | 35538 | 2015-07-12 02:55:49 |
| CTTB.MVR | V2.0.1P3 | 893055 | 2015-07-12 02:56:37 |
| CTUB | CTUB.BT | V4.0.7 | 218820 | 2015-04-03 15:16:00 |
| CTUB.FW | V2.0.1P3 | 30797 | 2015-07-12 02:55:49 |
| CTUB\_LX.MVR | V2.0.1P3 | 2664644 | 2015-07-12 02:56:01 |
| GDFO | FTGHA.BT | V4.0.7 | 244948 | 2015-04-03 15:16:01 |
| FTGHA.FW | V2.0.1P3 | 391056 | 2015-07-12 02:55:58 |
| FTGHA\_LX.MVR | V2.0.1P3 | 8570392 | 2015-07-12 02:55:56 |
| FTGKB | FTGKB.BT | V4.0.7 | 524288 | 2015-04-03 15:16:01 |
| FTGKB.FW | V2.0.1P3 | 85188 | 2015-07-12 02:55:58 |
| FTGKB.MVR | V2.0.1P3 | 5378520 | 2015-07-12 02:55:53 |
| GTGHG | GTGHG.BT | V4.0.7 | 524288 | 2015-04-03 15:16:01 |
| GTGHG.FW | V2.0.1P3 | 212070 | 2015-07-12 02:56:15 |
| GTGHG\_LX.MVR | V2.0.1P3 | 6008372 | 2015-07-12 02:56:36 |
| GTGOE | GTGOE.BT | V4.0.7 | 387072 | 2015-04-03 15:16:02 |
| GTGOE.FW | V2.0.1P3 | 4306150 | 2015-07-12 02:56:12 |
| GTGOE\_LX.MVR | V2.0.1P3 | 5141068 | 2015-07-12 02:56:30 |
| GTGOG | GTGOG.BT | V4.0.7 | 524288 | 2015-04-03 15:16:02 |
| GTGOG.FW | V2.0.1P3 | 139607 | 2015-07-12 02:56:15 |
| GTGOG\_LX.MVR | V2.0.1P3 | 5980984 | 2015-07-12 02:57:23 |
| GTXOG | GTXOG.BT | V4.0.7 | 524288 | 2015-04-03 15:16:02 |
| GTXOG.FW | V2.0.1P3 | 9214567 | 2015-07-12 02:56:25 |
| GTXOG\_LX.MVR | V2.0.1P3 | 5918884 | 2015-07-12 03:00:03 |
| GUFQ/GUSQ/GUTQ/HUGQ | GUCD.BT | V4.0.7 | 228176 | 2015-04-03 15:16:02 |
| GUCD.FW | V2.0.1P3 | 170103 | 2015-07-12 02:56:33 |
| GUCD\_LX.MVR | V2.0.1P3 | 2275103 | 2015-07-12 02:55:48 |
| HUTQ | HUTQ.B | V4.0.7 | 190420 | 2015-04-03 15:16:02 |
| HUTQ.FW | V2.0.1P3 | 35846 | 2015-07-12 02:56:33 |
| HUTQ\_LX.MVR | V2.0.1P3 | 2376680 | 2015-07-12 02:56:53 |
| HUVQ | HUTQB.BT | V4.0.7 | 265068 | 2015-04-03 15:16:03 |
| HUTQB.FW | V2.0.1P3 | 130368 | 2015-07-12 02:56:33 |
| HUTQB\_LX.MVR | V2.0.1P3 | 2568732 | 2015-07-12 02:56:12 |
| SCTMB | SCTMB.BT | V4.0.7 | 324568 | 2015-04-03 15:16:03 |
| SCTMB.FW | V2.0.1P3 | 1300319 | 2015-07-12 02:55:40 |
| SCTMB\_LX.MVR | V2.0.1P3 | 27845232 | 2015-07-12 03:00:49 |
| SCXN | SCXN.BT | V4.0.7 | 524288 | 2015-04-03 15:16:03 |
| SCXN.FW | V2.0.1P3 | 10919855 | 2015-07-12 02:55:36 |
| SCXN\_LX.MVR | V2.0.1P3 | 23351967 | 2015-07-12 02:59:52 |
| SMXA | SMXA.BT | V4.0.7 | 524288 | 2015-07-14 02:13:18 |
| SMXA.FW | V2.0.1P3 | 735289 | 2015-07-12 02:55:41 |
| SMXA\_LX.MVR | V2.0.1P3 | 22324636 | 2015-07-12 02:59:43 |
| XUTQ | XUTQ.BT | V4.0.7 | 228176 | 2015-04-03 15:16:04 |
| XUTQ.FW | V2.0.1P3 | 15427 | 2015-07-12 02:56:52 |
| XUTQ\_LX.MVR | V2.0.1P3 | 2275103 | 2015-07-12 03:23:24 |
| XUVQ | XUVQ.BT | V4.0.7 | 265088 | 2015-07-02 02:02:50 |
| XUVQ.FW | V2.0.1P3 | 111632 | 2015-07-12 02:56:53 |
| XUVQ\_LX.MVR | V2.0.1P3 | 2562476 | 2015-07-12 02:55:46 |
|  | FAN.FW | V3.0 | 61474 | 2015-05-15 14:08:46 |
|  | PM.FW | V2.0.1P3 | 934 | 2015-07-12 02:56:53 |

# patch description

## SCTMB patch

### SCTMBV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | Sometimes a software exception occurs when FFP rules are configured in SSP module, and if the system reboot in this case, the standby main-control board will stay in configuring state. |
| 2 | In some kind of unknown particular situation, unexpected loop-back happens in switch chip ports, and that will cause the corresponding system uplink port down. It’s an avoidance scheme. |
| 3 | The traffic statistics in the system uplink ports will not change in a long period, which is found in Vietnam. |
| 4 | The temperature is added in the crash file when the system crash is caused by high temperature. |
| 5 | Switch chip is busy caused by DHCPv4 server down. |
| 6 | There exists memory access violation in the GET function in the optical module MIB table. |
| 7 | If the no.1 vport is not created in the onu, then the traffic template configured in other vports will not occur when running the “show running” command. |
| 8 | If the self-adaptive port in GUSQ board is connected with an Ethernet switch and is used as a in-band network management channel, then no packets can be sent from the port, and the network management channel is broken. |
| 9 | There exists memory access violation in the getnext function in zxAnGponRmOnuEntry table, which will cause the SNMP walk operation towards this table into endless loop. |
| 10 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |
| 11 | The next hop could not be deleted when the subnet routing configuration is failed. |

### SCTMBV201P3T17\_R1.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | When the system is fully configured, there exists a 10-seconds interruption in LACP service in Jazztel. |
| 2 | In Shanxi, when the ARP proxy of OLT-1 is enable, the voice gateway MAC address of OLT-2 turned into the in-band MAC address of OLT-1. |
| 3 | The value range of PATH-COST parameter should be changed from 0-65565 to 1-65565 according to the standards, |
| 4 | The CRC check mechanism is added in main control board. |
| 5 | If the 802.1x data is not configured in user ports, the operation will cause the system halt for a few minutes. |
| 6 | There is some mistakes in the string handling logic of the telnet server code, which will cause the telnet server crash. |
| 7 | The slice memory is destroyed when accessing the EPON MIB. |
| 8 | There are some mistakes in the compatible processing of “show gpon uncfg onu gpo-onu\_1/x/x” with version1.2.5 in RDS Romania. |
| 9 | A wrong vlan 0 has been added in IGMP report message when OLT working in IGMP snooping mode. |
| 10 | RX frames for GEMport CTP History PM are not reported |
| 11 | When the ring network is upgraded in Pakistan, the power-off of one C320 OLT will easily lead to the out of control problem of another C320 OLT. |
| 12 | When configuring with the SIP profile in network management software, the user name is displayed null. |
| 13 | The “start viewing time” record in the CDR file uploaded by C300 is not correct, and the time in the name of that file is not correct too. |
| 14 | There is a mistake in supporting SNMPv3. |
| 15 | The inner ports of CES cards turn down when the stand-by switch happens. |
| 16 | In Pakistan, the No. 5 port in SCTMB panel is found not supporting forced 100M mode |
| 17 | There is a mistake in SDK semaphore which will cause the system halt. |
| 18 | The telnet 9999 password function is added in SCTMB. |
| 19 | In some kind of unknown particular situation, unexpected loop-back happens in switch chip ports, and that will cause the corresponding system uplink port down. |

### SCTMBV201P3T17\_R2.PAT

The released patches are as follows:

|  |  |
| --- | --- |
| released times | patch description |
| 1 | Problems1-21 are solved, the patch date is 2015-12-15. |
| 2 | Problems1-21 are solved, the patch date is 2015-12-24. |
| 3 | Only for RDS，Problems1-21 are solved, the patch date is 2015-12-25. |

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The alarm cannot be reported correctly through SNMPv1. |
| 2 | There exists an SNMP asynchronous operation error which will cause the system crash. |
| 3 | In the Turkey TurkNet, the SNMP Get operation of the non-leaf node will cause the system crash. |
| 4 | In the Turkey TurkNet, a certain date-field is not supported which cause the TACACS authentication is denied incorrectly. |
| 5 | There exists a LACP sudden break error in C300V2.0.2. |
| 6 | The software in main-control board is halted when the IGMP static item is added. |
| 7 | The system cannot switch in Vietnam. |
| 8 | There exists an error in CFM module which cause the low priority rule of packet filtering to CPU loss when the Ethernet OAM function is configured. |
| 9 | The switch chip in the main control board cannot filter the packets with TTL 1 to the CPU. |
| 10 | In Jazztel, when the system standby switch, the user cannot get IP address, and "invalid ip hash item" is printed. |
| 11 | The TX Packets Rate,RX Packets Rate,Tx Octets Peak Rate and Rx Octets Peak Rate are showed inconsistently between the command line and the network management software. |
| 12 | There are several MIBs' indexes are used incorrectly in Ethernet historical performance statistics. |
| 13 | The network management software will be in no response for several minutes when opening the onu serviceport management GUI. |
| 14 | When the system standby switch happens, there exists some certain probability causing the flow carrier in the layer3 interface. |
| 15 | When the "ff.f.ff.ff" source ip address is configured through the network management software, a error will reported incorrectly. |
| 16 | There exists a MFF error which will cause the voice registration failure. |
| 17 | There exists an compatible problem of the blank character in SIP dialplan rule. |
| 18 | There exists a short break(less than 1s) in the data flow when the UAPS n\*n protectiong switchover between the panel ports of the master and slave main-control boards. |
| 19 | The SNMP walk operation to the "zxAnOpticalModuleGlobalObjects" table will cause a endless loop problem. |
| 20 | The order of accessing the MUX interface is adjusted to solve the multicast flow break problem in Jazztel. |
| 21 | There exists a problem in zxAnIgmpMgmtMVlanEntry table which cause the filter configuration invalid when multi variables are binding. |

### SCTMBV201P3T17\_R28.PAT(HKT)

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The “restore WIFI” command line is added for Hong Kong HKT project. |
| 2 | Multi-PKG is supported under ONU for Hong Kong HKT project. |

## SCXN patch

### SCXNV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | Sometimes a software exception occurs when FFP rules are configured in SSP module, and if the system reboot in this case, the standby main-control board will stay in configuring state. |
| 2 | The traffic statistics in the system uplink ports will not change in a long period, which is found in Vietnam. |
| 3 | Switch chip is busy caused by DHCPv4 server down. |
| 4 | There exists memory access violation in the GET function in the optical module MIB table. |
| 5 | If the no.1 vport is not created in the onu, then the traffic template configured in other vports will not occur when running the “show running” command. |
| 6 | There exists memory access violation in the getnext function in zxAnGponRmOnuEntry table, which will cause the SNMP walk operation towards this table into endless loop. |
| 7 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |
| 8 | The next hop could not be deleted when the subnet routing configuration is failed. |

### SCXNV201P3T17\_R1.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | When the system is fully configured, there exists a 10-seconds interruption in LACP service in Jazztel. |
| 2 | In Shanxi, when the ARP proxy of OLT-1 is enable, the voice gateway MAC address of OLT-2 turned into the in-band MAC address of OLT-1. |
| 3 | The value range of PATH-COST parameter should be changed from 0-65565 to 1-65565 according to the standards, |
| 4 | The CRC check mechanism is added in main control board. |
| 5 | If the 802.1x data is not configured in user ports, the operation will cause the system halt for a few minutes. |
| 6 | There is some mistakes in the string handling logic of the telnet server code, which will cause the telnet server crash. |
| 7 | The slice memory is destroyed when accessing the EPON MIB. |
| 8 | There are some mistakes in the compatible processing of “show gpon uncfg onu gpo-onu\_1/x/x” with version1.2.5 in RDS Romania. |
| 9 | A wrong vlan 0 has been added in IGMP report message when OLT working in IGMP snooping mode. |
| 10 | RX frames for GEMport CTP History PM are not reported |
| 11 | When the ring network is upgraded in Pakistan, the power-off of one C320 OLT will easily lead to the out of control problem of another C320 OLT. |
| 12 | When configuring with the SIP profile in network management software, the user name is displayed null. |
| 13 | The “start viewing time” record in the CDR file uploaded by C300 is not correct, and the time in the name of that file is not correct too. |
| 14 | There is a mistake in supporting SNMPv3. |
| 15 | The inner ports of CES cards turn down when the stand-by switch happens. |

### SCXNV201P3T17\_R2.PAT

The released patches are as follows:

|  |  |
| --- | --- |
| released times | patch description |
| 1 | Problems1-21 are solved, the patch date is 2015-12-15. |
| 2 | Problems1-21 are solved, the patch date is 2015-12-24. |

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The alarm cannot be reported correctly through SNMPv1. |
| 2 | There exists an SNMP asynchronous operation error which will cause the system crash. |
| 3 | In the Turkey TurkNet, the SNMP Get operation of the non-leaf node will cause the system crash. |
| 4 | In the Turkey TurkNet, a certain date-field is not supported which cause the TACACS authentication is denied incorrectly. |
| 5 | There exists a LACP sudden break error in C300V2.0.2. |
| 6 | The software in main-control board is halted when the IGMP static item is added. |
| 7 | The system cannot switch in Vietnam. |
| 8 | There exists an error in CFM module which cause the low priority rule of packet filtering to CPU loss when the Ethernet OAM function is configured. |
| 9 | The switch chip in the main control board cannot filter the packets with TTL 1 to the CPU. |
| 10 | In Jazztel, when the system standby switch, the user cannot get IP address, and "invalid ip hash item" is printed. |
| 11 | The TX Packets Rate,RX Packets Rate,Tx Octets Peak Rate and Rx Octets Peak Rate are showed inconsistently between the command line and the network management software. |
| 12 | There are several MIBs' indexes are used incorrectly in Ethernet historical performance statistics. |
| 13 | The network management software will be in no response for several minutes when opening the onu serviceport management GUI. |
| 14 | When the system standby switch happens, there exists some certain probability causing the flow carrier in the layer3 interface. |
| 15 | When the "ff.f.ff.ff" source ip address is configured through the network management software, a error will reported incorrectly. |
| 16 | There exists a MFF error which will cause the voice registration failure. |
| 17 | There exists an compatible problem of the blank character in SIP dialplan rule. |
| 18 | There exists a short break(less than 1s) in the data flow when the UAPS n\*n protectiong switchover between the panel ports of the master and slave main-control boards. |
| 19 | The SNMP walk operation to the "zxAnOpticalModuleGlobalObjects" table will cause a endless loop problem. |
| 20 | The order of accessing the MUX interface is adjusted to solve the multicast flow break problem in Jazztel. |
| 21 | There exists a problem in zxAnIgmpMgmtMVlanEntry table which cause the filter configuration invalid when multi variables are binding. |

## SMXA patch

### SMXAV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | Sometimes a software exception occurs when FFP rules are configured in SSP module, and if the system reboot in this case, the standby main-control board will stay in configuring state. |
| 2 | The traffic statistics in the system uplink ports will not change in a long period, which is found in Vietnam. |
| 3 | Unknown unicast and broadcast speed limit will not take effect towards the ports in the FTGKB borad when FTGKB is used together with SMXA. |
| 4 | There exists memory access violation in the GET function in the optical module MIB table. |
| 5 | If the no.1 vport is not created in the onu, then the traffic template configured in other vports will not occur when running the “show running” command. |
| 6 | There exists memory access violation in the getnext function in zxAnGponRmOnuEntry table, which will cause the SNMP walk operation towards this table into endless loop. |
| 7 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |
| 8 | The next hop could not be deleted when the subnet routing configuration is failed. |

### SMXAV201P3T17\_R1.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | When the system is fully configured, there exists a 10-seconds interruption in LACP service in Jazztel. |
| 2 | In Shanxi, when the ARP proxy of OLT-1 is enable, the voice gateway MAC address of OLT-2 turned into the in-band MAC address of OLT-1. |
| 3 | The value range of PATH-COST parameter should be changed from 0-65565 to 1-65565 according to the standards, |
| 4 | The CRC check mechanism is added in main control board. |
| 5 | If the 802.1x data is not configured in user ports, the operation will cause the system halt for a few minutes. |
| 6 | There is some mistakes in the string handling logic of the telnet server code, which will cause the telnet server crash. |
| 7 | The slice memory is destroyed when accessing the EPON MIB. |
| 8 | There are some mistakes in the compatible processing of “show gpon uncfg onu gpo-onu\_1/x/x” with version1.2.5 in RDS Romania. |
| 9 | A wrong vlan 0 has been added in IGMP report message when OLT working in IGMP snooping mode. |
| 10 | RX frames for GEMport CTP History PM are not reported |
| 11 | When the ring network is upgraded in Pakistan, the power-off of one C320 OLT will easily lead to the out of control problem of another C320 OLT. |
| 12 | When configuring with the SIP profile in network management software, the user name is displayed null. |
| 13 | The “start viewing time” record in the CDR file uploaded by C300 is not correct, and the time in the name of that file is not correct too. |
| 14 | There is a mistake in supporting SNMPv3. |
| 15 | The HIGIG port between the stand-by main-control boards will turn down when the stand-by switch happens. |

### SMXAV201P3T17\_R2.PAT

The released patches are as follows:

|  |  |
| --- | --- |
| released times | patch description |
| 1 | Problems1-21 are solved, the patch date is 2015-12-15. |
| 2 | Problems1-21 are solved, the patch date is 2015-12-24. |

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The alarm cannot be reported correctly through SNMPv1. |
| 2 | There exists an SNMP asynchronous operation error which will cause the system crash. |
| 3 | In the Turkey TurkNet, the SNMP Get operation of the non-leaf node will cause the system crash. |
| 4 | In the Turkey TurkNet, a certain date-field is not supported which cause the TACACS authentication is denied incorrectly. |
| 5 | There exists a LACP sudden break error in C300V2.0.2. |
| 6 | The software in main-control board is halted when the IGMP static item is added. |
| 7 | The system cannot switch in Vietnam. |
| 8 | The switch chip in the main control board cannot filter the packets with TTL 1 to the CPU. |
| 9 | In Jazztel, when the system standby switch, the user cannot get IP address, and "invalid ip hash item" is printed. |
| 10 | The TX Packets Rate,RX Packets Rate,Tx Octets Peak Rate and Rx Octets Peak Rate are showed inconsistently between the command line and the network management software. |
| 11 | There are several MIBs' indexes are used incorrectly in Ethernet historical performance statistics. |
| 12 | The network management software will be in no response for several minutes when opening the onu serviceport management GUI. |
| 13 | When the system standby switch happens, there exists some certain probability causing the flow carrier in the layer3 interface. |
| 14 | When the "ff.f.ff.ff" source ip address is configured through the network management software, a error will reported incorrectly. |
| 15 | There exists a MFF error which will cause the voice registration failure. |
| 16 | There exists an compatible problem of the blank character in SIP dialplan rule. |
| 17 | There exists a short break(less than 1s) in the data flow when the UAPS n\*n protectiong switchover between the panel ports of the master and slave main-control boards. |
| 18 | The SNMP walk operation to the "zxAnOpticalModuleGlobalObjects" table will cause a endless loop problem. |
| 19 | The order of accessing the MUX interface is adjusted to solve the multicast flow break problem in Jazztel. |
| 20 | There exists a problem in zxAnIgmpMgmtMVlanEntry table which cause the filter configuration invalid when multi variables are binding. |
| 21 | The update of the BFD instance configuration will cause the system halted. |

## GTXOG patch

### GTXOGV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The software access towards the damaged PON-MAC chip through PCIE interface will cause system hung-up. |
| 2 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |

### GTXOGV201P3T17\_R1.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | One-second recovery mechanism will be active even if the action-2 is not enabled. |
| 2 | There are many memory application errors in Hebei and Shanxi which is caused by OMCI code. |

### GTXOGV201P3T17\_R2.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | There exists an registration abnormal and a data mis-ordering problem when ONU is authenticated by PW mode. |
| 2 | There exists an compatible problem of the blank character in SIP dialplan rule. |
| 3 | An error in list handling will cause the card halted. |
| 4 | There exists some mutual interactions between the unauthenticated onus and the authenticated ones in LOID mode, which might cause some onus to a false working status. |
| 5 | The Huawei ONU cannot be in the online status in Dominican because of the self negotiation problem in extended OMCI mechanism. |

### GTXOGV201P3T17\_R28.PAT(HKT)

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The “restore WIFI” command line is added for Hong Kong HKT project. |
| 2 | When we change the password of ONU in ONU, the OLT doesn’t update it. |

## GTGOG patch

### GTGOGV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The software access towards the damaged PON-MAC chip through PCIE interface will cause system hung-up. |
| 2 | New optical module is added to support OTDR operation. |
| 3 | The data flow in individual onus is broken in a 128-onus fully-configured PON interface, and these individual onus will not go into online state after remote reboot through OMCI interface. |
| 4 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |

### GTGOGV201P3T17\_R1.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | One-second recovery mechanism will be active even if the action-2 is not enabled. |
| 2 | There are many memory application errors in Hebei and Shanxi which is caused by OMCI code. |

### GTGOGV201P3T17\_R2.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | There exists an registration abnormal and a data mis-ordering problem when ONU is authenticated by PW mode. |
| 2 | There exists an compatible problem of the blank character in SIP dialplan rule. |
| 3 | An error in list handling will cause the card halted. |
| 4 | There exists some mutual interactions between the unauthenticated onus and the authenticated ones in LOID mode, which might cause some onus to a false working status. |
| 5 | The Huawei ONU cannot be in the online status in Dominican because of the self negotiation problem in extended OMCI mechanism. |

### GTGOGV201P3T17\_R28.PAT(HKT)

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The “restore WIFI” command line is added for Hong Kong HKT project. |
| 2 | When we change the password of ONU in ONU, the OLT doesn’t update it. |

## GTGHG patch

### GTGHGV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The software access towards the damaged PON-MAC chip through PCIE interface will cause system hung-up. |
| 2 | New optical module is added to support OTDR operation. |
| 3 | The data flow in individual onus is broken in a 128-onus fully-configured PON interface, and these individual onus will not go into online state after remote reboot through OMCI interface. |
| 4 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |

### GTGHGV201P3T17\_R1.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | One-second recovery mechanism will be active even if the action-2 is not enabled. |
| 2 | There are many memory application errors in Hebei and Shanxi which is caused by OMCI code. |

### GTGHGV201P3T17\_R2.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | There exists an registration abnormal and a data mis-ordering problem when ONU is authenticated by PW mode. |
| 2 | There exists an compatible problem of the blank character in SIP dialplan rule. |
| 3 | An error in list handling will cause the card halted. |
| 4 | There exists some mutual interactions between the unauthenticated onus and the authenticated ones in LOID mode, which might cause some onus to a false working status. |
| 5 | The Huawei ONU cannot be in the online status in Dominican because of the self negotiation problem in extended OMCI mechanism. |
| 6 | Prevent the CPLD upgrade to the newest version. |
| 7 | The timer of sn waiting for windows need to be enlarged to 20 ticks to avoid ONU offline towards GTGHG card. |

## GTGOE patch

### GTGOEV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | New optical module is added to support OTDR operation. |
| 2 | The data flow in individual onus is broken in a 128-onus fully-configured PON interface, and these individual onus will not go into online state after remote reboot through OMCI interface. |
| 3 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |

### GTGOEV201P3T17\_R1.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | One-second recovery mechanism will be active even if the action-2 is not enabled. |
| 2 | There are many memory application errors in Hebei and Shanxi which is caused by OMCI code. |

### GTGOEV201P3T17\_R2.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | There exists an registration abnormal and a data mis-ordering problem when ONU is authenticated by PW mode. |
| 2 | There exists an compatible problem of the blank character in SIP dialplan rule. |
| 3 | An error in list handling will cause the card halted. |
| 4 | There exists some mutual interactions between the unauthenticated onus and the authenticated ones in LOID mode, which might cause some onus to a false working status. |
| 5 | The Huawei ONU cannot be in the online status in Dominican because of the self negotiation problem in extended OMCI mechanism. |

## FTGKB patch

### FTGKBV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |
| 2 | There exists error in FTGKB no.1 port in PCCW Hong Kong. |

### FTGKBV201P3T17\_R1.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The RX optical power of some optical modules cannot be read in Hong Kong. |

## GDFO patch

### FTGHAV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | The BOOT upgrade process is changed from “first upgrade, then verify” to “first verify, then upgrade”. |

## GUFQ/GUSQ/GUTQ/HUGQ patch

### GUCDV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | When the system is fully configured, there exists a 10-seconds interruption in LACP service in Jazztel. |

## HUTQ patch

### HUTQV201P3T17\_R0.PAT

The problems solved by this patch are as follows:

|  |  |
| --- | --- |
| No. | problem description |
| 1 | When the system is fully configured, there exists a 10-seconds interruption in LACP service in Jazztel. |

# patch limitation

The patch limitation is described as follows:

|  |  |  |
| --- | --- | --- |
| No. | patch | limitation |
| 1 | SCTMB/SCXN/SMXA R0/R1/R2  GTGHG/GTGOG/GTGOE R0/R2 | Need to restart system after activating the patch to eliminate the failure. |
| 2 | SCTMB/SCXN/SMXA R1  GUCD/HUTQ R0 | For the following problem, if the system up-link port is configured as the GE optical port in GUFQ/GUSQ/HUTQ, the SCTMB/SCXN/SMXA R1 patch and the GUCD/HUTQ R0 patch must be activated at the same time to eliminate the failure.  （1）When the system is fully configured, there exists a 10-seconds interruption in LACP service in Jazztel. |
| 3 | SCTMB/SCXN/SMXA R2  GTGHG/GTGOG/GTGOE R2 | For the problem “There exists an compatible problem of the blank character in SIP dialplan rule.”, please notice the following items:  (1)the main-control board patch must be used together with the gpon board patch;  (2)If this patch is used on the upgrade occasion from 1.2.X to 2.0.1P3 and we want to use the “segmentation method based on user configuration” in 1.2.X, then we must first upgrade the version, then active the patch, and restart without saving the configuration.  (3)If this patch is used in 2.0.1P3 just for compatible to the old-version ONUs, then we just need to active the patch. |
| 4 | GTGHG/GTGOG/GTGOE R2 | For the problem “There exists an registration abnormal and a data mis-ordering problem when ONU is authenticated by PW mode.”, please notice the following items:  (1)we need to delete the old configuration and configure again;  (2) If the fault phenomenon has emerged, do not perform reset command under PON port before delete the configuration,, otherwise all onus cannot work normally. |
| 5 | SCTMB/GTXOG/GTGOG R28(HKT) | For the following problem, the main-control board patch and the gpon board patch must be activated at the same time to eliminate the failure.  （1）The “restore WIFI” command line is added for Hong Kong HKT project. |

# patch upgrade guide

## Download patch

file download patch [patch name]

Configure FTP server just like version downloading. Then download the patch into C300.

For example:

ZXAN# file download patch sctmbV201p3t17\_r0.pat  
Downloading from host (10.63.196.193)   
Transferring file sctmbV201p3t17\_r0.pat..   
......[Successfully]

ZXAN# file download patch gtxogV201p3t17\_r0.pat

Downloading from host(10.63. 196.193)

Transferring file gtxogV201p3t17\_r0.pat ...

.......[Successfully]

## Active patch

patch active [patch name]

Active the patch downloaded. Then the patch will work, do not reset system or any cards.

For example:

ZXAN#patch active sctmbV201p3t17\_r0.pat  
Active patch in shelf 1 slot 10 success   
Active patch finished

ZXAN#patch active gtxogV201p3t17\_r0.pat

Active patch in shelf 1 slot 4 success

Active patch finished

## Deactivate patch

Patch deactive  [patch name]

Deactive a patch which is actived.

For example:

ZXAN# patch deactive sctmbV201p3t17\_r0.pat  
Deactive patch in shelf 1 slot 10 success   
Deactive patch finished

ZXAN#patch deactive gtxogV201p3t17\_r0.pat

Deactive patch in shelf 1 slot 4 success

Deactive patch finished

## Delete patch

file delete patch [patch name ]  
Delete a patch from C300 permanently.

For example:

ZXAN# file delete patch sctmbV201p3t17\_r0.pat  
Confirm to delete?[yes/no]:y   
Start deleting file   
deleting sctmbV201p3t17\_r0.pat.   
[Successfully]

ZXAN# file delete patch gtxogV201p3t17\_r0.pat

Confirm to delete?[yes/no]:y

Start deleting file

deleting gtxogV201p3t17\_r0.pat..

[Successfully]