

PCD3.T66x 1.20.36 Swers report

This document describes the modifications and important notes for the PCD3.R66x FW version.

The FW is available for the following systems:

- PCD3.T665, PCD3.T666

Concerning corrected / known bugs:

Only important bugs are listed here. For other bugs, please refer to the FW trac system that contains more information about known bugs.

1 Modifications realized

Only modifications between the release is listen here. For general new features of the PCD3.T66x FW 1.20.xx please refer to the release note.

2 Modifications realized by SWER number

2.1 Modifications realized for 1.20.36

3255 bug STXM/SRXM DB offset/count with 16bit adressing

If the 16 bit addressing is used the offset/count for the DB STXM/SRXM is used wrong.

3117 bug MODBUS IP error with frames bigger than 260 bytes

With a MODBUS message is received over IP with a length bigger than 260 bytes (maximum supported message length as defined in the MODBUS specification), the driver will blog and does NOT process any further MODBUS message

2.2 Modifications realized for 1.20.31

3234 bug Led indicate Config Error when not Program

The Led indicate a Config Error when not Program is loaded to the Ethernet RIO.

3223 dev Implement MODBUS server OFF for TCP/UDP

Allow within the SF calls for MODBUS server to close a running server in order to be able to re-open it at a later stage or if it seems that the communication is no more active on that server

3218 bug SASI EM with GWY

The SASI Ether-S-Bus Master (EM) does not work and give an error if the GWY is configure.

3213 bug Module with NI1000 L&S read wrong negative Temperature

Modules with NI1000 L&S Temperature Sensors returns wrong Values if the temperature is negative.

3210 bug Fabrication Date

The Fabrication Date is not displayed correct on the Web page and in PG5 2.0

3208 bug Crash after update FW to 1.20

When the RIO is updated to a FW 1.20.xx the PCD crash on power up.

3134 bug File System new block error

When new blocks are required at end of block list, the system may overwrite unexpected data.

3118 bug RTime

RTime instructions Reads HW time and not Local time.

2.3 Modifications realized for 1.20.20

3100 bug SBus Config change

If the SBus configuration is changed from one port to the other the old port is not free correctly and it is not possible to use it for an other mode until the PCD is reboot.

3099 bug SASI Diag

The SASI Diag on a modem configured port does not work and gives an error flag.

3088 bug Ether-S-Bus SASI

When a Ether-S-Bus Slave SASI is done after the Ether-S-Bus Master SASI the Master port is not closed on restart. Afterwards a SASI Ether-S-Bus Master gives an Error until PCD is reboot.

3085 bug Serial Port S-Bus Config after MC mode

If a serial port is assigned as MC mode and a S-Bus (PGU, Modem,..) configuration is load then the port is not close correctly before assigne new configured mode.

3081 dev Web Tag Status

Add Web tag to set the PCD status

3080 bug PG5 connects SBus reduce when PCD starts

If the PCD starts and PG5 connect to it it can happen that the PG5 think it is a reduce or password protected port.

3078 dev CSF CSF ReadTextDBLength

The CSF CSF ReadTextDBLength should also work with media pointer as Text parameter.

3074 bug CSF Media Backup/Restore

The CSF Media Backup/restore was not working without path.

2.4 Modifications realized for 1.20.15

3059 dev SBus PGU address on Ether-S-Bus

Allow to use also the PGU address (254) for the Ether-S-Bus.

3058 bug IP Settings does not work

The IP settings are not take from the CFG tags.

3041 bug Download Ether-SBus Config

If a Ether-SBus is configure and a config without Ether-SBus is load the port is not correctly closed and will never open if an new configuration is loaded.

3038 bug Modem Config Tag Change

If the Modem Configuration is changed over the tags then the extended header is not updated correctly and it is no more possible to display the SBus configuration with PG5.

3035 bug XBSY on SBus Diagnostic

Remove the XBSY for the Etherent link on SBus diagnostic flags.

3032 bug TCPIP open data mode gives BusError

Disconnect can give an bus error.

3025 bug CSF Write Tag with IP address

The CSF Write Tag with IP address does not set the correct value to the tag.

3020 bug TCPIP open data mode gives BusError

When a TCIP Server connection is closed the PCD can crash with a Bus Error.

3016 dev SYSRD 71xx (UTC Time)

Add SYSRD 71xx for UTC time.

3011 bug ReadTag Text-to-Register returns Error

3008 bug FW download on F2 modules sometimes NAK when download starts

When a F2xx FW is downloaded with the PG5 download tool, sometimes, the start of download returns an NAK.

3005 bug Graftec missing Step/Transition

If a Step or a Transition is not present the PCD crash with a Bus Error.
The PCD must HALT with an ST or TR MISSING error message.

2988 bug SBUS Config Enhancements

Improved handling in case of a new config

2994 bug Fix History missing

If the history is empty the Fix History message are no more present after a reboot of the PCD.

2989 bug TCPIP open data mode gives BusError on Close/Restart

Since the correction in ticket #2983 the PCD crash if a UDP or TCP Server port is closed.

2987 bug SBus GWY mode

If parity mode is configure the port is open as data mode.

2983 bug TCPIP open data mode gives BusError

The PCD can crash with a bus error if a TCPIP client port is reconnected.

2978 bug DNS Error if DNS server(s) not accessible

When DNS servers (primary/secondary) are defined but not accessible over the network (i.e. cable is not connected) and DNS queries are issued (i.e. from user program or from configuration), the system reboot with a BUS_ERROR

2973 bug History.txt file link

Change the History.txt. file link to WEB:/DEFPAGES/

2963 bug MODBUS RTU driver send buffer error and retry count error

When request is received with a not defined UID and the send list is not empty, a major error occurs.

The retry counter shall not be based on the register content as this can be cleared at anytime by the user program.

2961 bug Tcplp SYS tag

The Tcplp SYS tag Subnet and Gateway have wrong values

2943 bug Crash address in History

The Crash address in the history is wrong.

2940 bug Tcplp SYS tag

Add the Tcplp SYS tag as read only tag to use the Read IP configuration FBOX.

2935 dev SF read DB/Text length

Add SF to read the DB/Text length.

Library 6, Function 18.

2923 bug SOCL instruction does not work for PCD2/3.F2xx/0 modules

The SOCL IL instruction does not work anymore for F2 modules

2909 bug Physical Link (XBSY) diagnostic flag

Physical Link (XBSY) diagnostic flag does not reflect the actual connection status

2908 bug STXM/SRXM crash if count is fb param as Const If the

STXM/SRXM is called with the count as fb parameter as K type pcd crash with a bus error

2904 bug Program Line in History/Halt message

Sometimes the Program Line in History or Halt message is wrong.

2899 bug MODBUS driver range check condition error

When too many modbus media are requested, the limit check fails.

2887 dev Display Booter Version

Display the Booter version in the status page and over S-Bus.

2880 bug SASI GM

SASI GM does not work.

2876 bug Default ether-SBus configuration

The Ether-SBus is enable as default. This creates a Ether-SBus configuration without IP address if the PCD is not configured.

2809 bug Halt message in status.htm

Add the Halt message in status.htm web page

2808 dev History and Program info link in status.htm

Add the link to the Histoy.txt and PG5 Program Info files in status.htm.

Add also a button to clear history."

2853 dev Memory Information

Add tags to get the used and free memory from the heap and the user program.

2835 bug SBus GWY and PGU

If the SBus GWY and PGU is configured the PCD goes in HALT.

2829 bug Download PCD Config

If the PCD configuration is load sometimes it gives an NAK on the download and sometimes some setting of the configuration file are missing.

2820 bug SBus Master STXM

The SBus STXM gives an error.