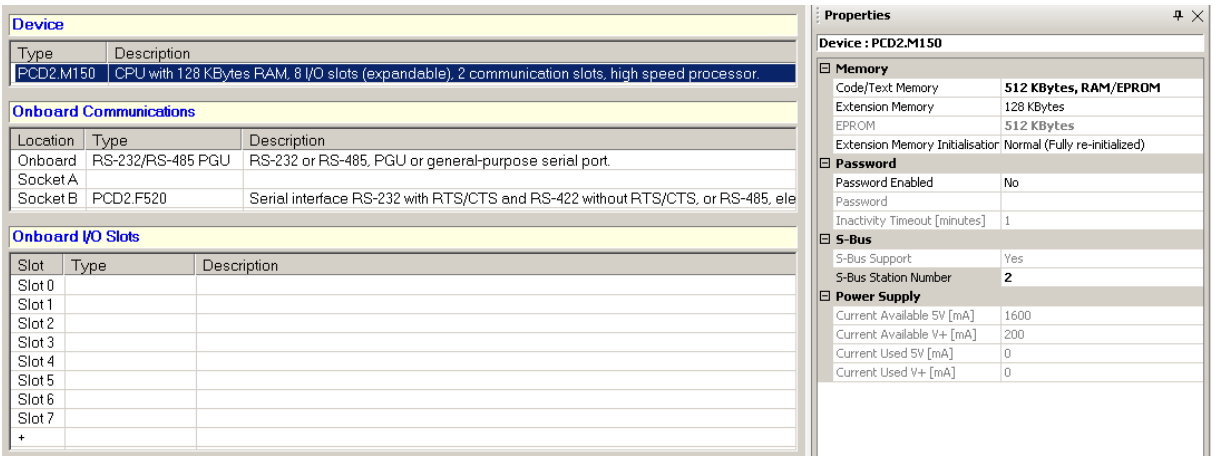
Configuration of the PCD2.M150 Device

S-BUS support and S-BUS address



Device

Type	Description
PCD2.M150	CPU with 128 KBytes RAM, 8 I/O slots (expandable), 2 communication slots, high speed processor.

Onboard Communications

Location	Type	Description
Onboard	RS-232/RS-485 PGU	RS-232 or RS-485, PGU or general-purpose serial port.
Socket A		
Socket B	PCD2.F520	Serial interface RS-232 with RTS/CTS and RS-422 without RTS/CTS, or RS-485, ele

Onboard I/O Slots

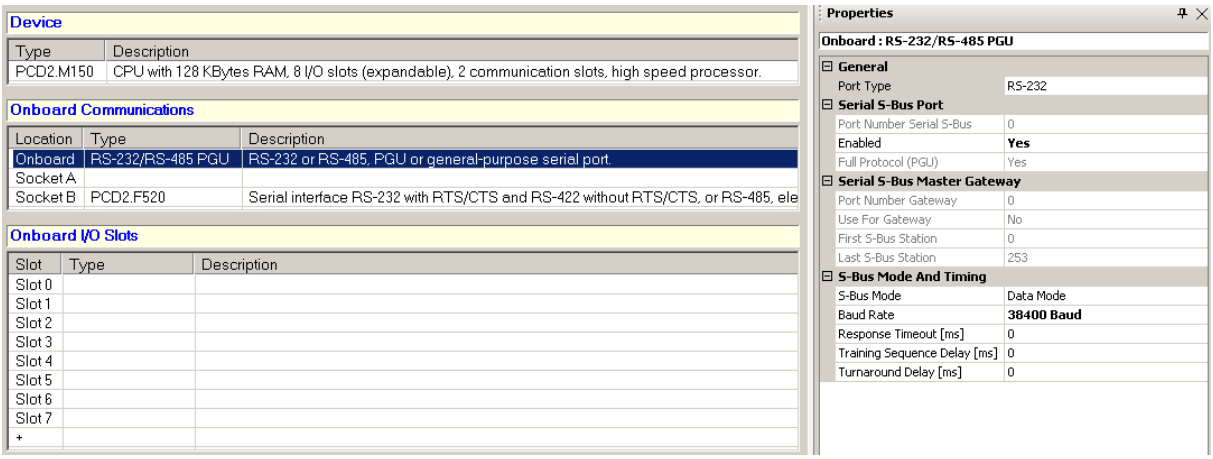
Slot	Type	Description
Slot 0		
Slot 1		
Slot 2		
Slot 3		
Slot 4		
Slot 5		
Slot 6		
Slot 7		
+		

Properties

Device : PCD2.M150

Memory	
Code/Text Memory	**512 KBytes, RAM/EPROM**
Extension Memory	128 KBytes
EPROM	**512 KBytes**
Extension Memory Initialisation	Normal (Fully re-initialized)
Password	
Password Enabled	No
Password	
Inactivity Timeout [minutes]	1
S-Bus	
S-Bus Support	Yes
S-Bus Station Number	**2**
Power Supply	
Current Available 5V [mA]	1600
Current Available V+ [mA]	200
Current Used 5V [mA]	0
Current Used V+ [mA]	0

Onboard serial S-BUS Port



Device

Type	Description
PCD2.M150	CPU with 128 KBytes RAM, 8 I/O slots (expandable), 2 communication slots, high speed processor.

Onboard Communications

Location	Type	Description
Onboard	RS-232/RS-485 PGU	RS-232 or RS-485, PGU or general-purpose serial port.
Socket A		
Socket B	PCD2.F520	Serial interface RS-232 with RTS/CTS and RS-422 without RTS/CTS, or RS-485, ele

Onboard I/O Slots

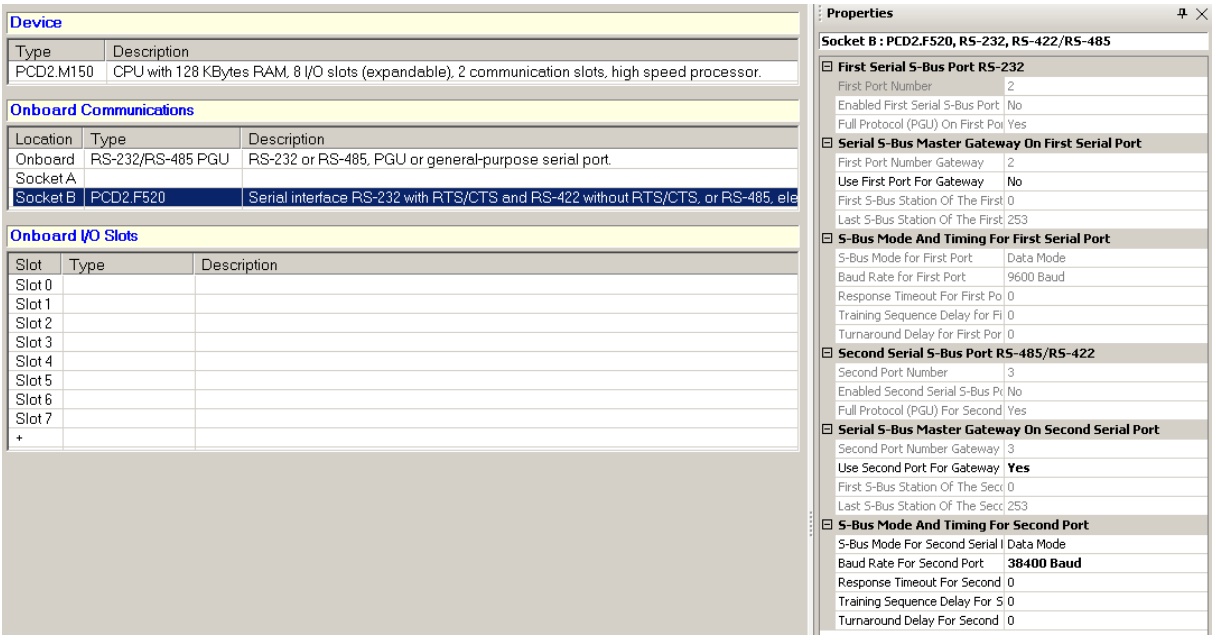
Slot	Type	Description
Slot 0		
Slot 1		
Slot 2		
Slot 3		
Slot 4		
Slot 5		
Slot 6		
Slot 7		
+		

Properties

Onboard : RS-232/RS-485 PGU

General	
Port Type	RS-232
Serial S-Bus Port	
Port Number Serial S-Bus	0
Enabled	**Yes**
Full Protocol (PGU)	Yes
Serial S-Bus Master Gateway	
Port Number Gateway	0
Use For Gateway	No
First S-Bus Station	0
Last S-Bus Station	253
S-Bus Mode And Timing	
S-Bus Mode	Data Mode
Baud Rate	**38400 Baud**
Response Timeout [ms]	0
Training Sequence Delay [ms]	0
Turnaround Delay [ms]	0

Second serial S-BUS Port and Gateway



Device

Type	Description
PCD2.M150	CPU with 128 KBytes RAM, 8 I/O slots (expandable), 2 communication slots, high speed processor.

Onboard Communications

Location	Type	Description
Onboard	RS-232/RS-485 PGU	RS-232 or RS-485, PGU or general-purpose serial port.
Socket A		
Socket B	PCD2.F520	Serial interface RS-232 with RTS/CTS and RS-422 without RTS/CTS, or RS-485, ele

Onboard I/O Slots

Slot	Type	Description
Slot 0		
Slot 1		
Slot 2		
Slot 3		
Slot 4		
Slot 5		
Slot 6		
Slot 7		
+		

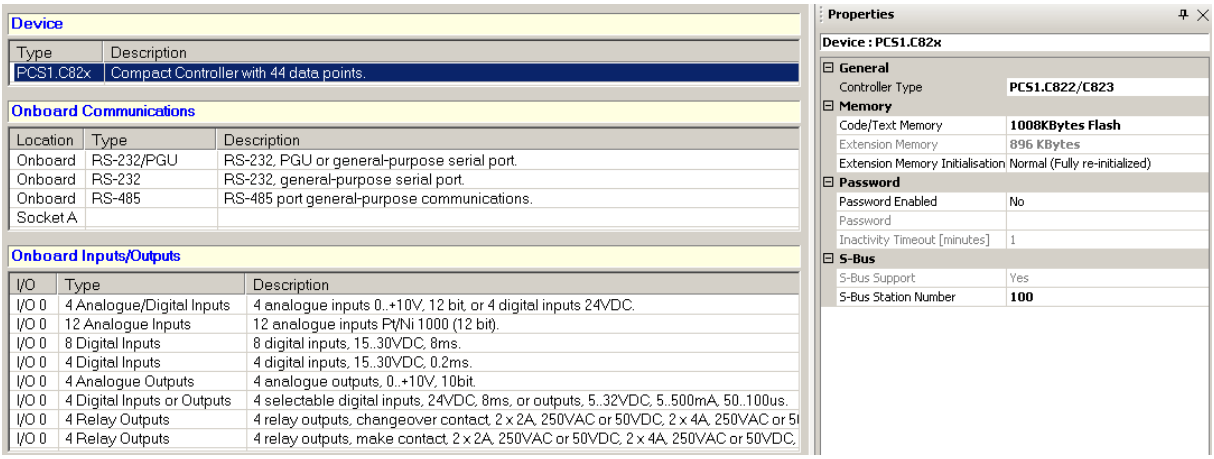
Properties

Socket B : PCD2.F520, RS-232, RS-422/RS-485

First Serial S-Bus Port RS-232	
First Port Number	2
Enabled First Serial S-Bus Port	No
Full Protocol (PGU) On First Po	Yes
Serial S-Bus Master Gateway On First Serial Port	
First Port Number Gateway	2
Use First Port For Gateway	No
First S-Bus Station Of The First	0
Last S-Bus Station Of The First	253
S-Bus Mode And Timing For First Serial Port	
S-Bus Mode for First Port	Data Mode
Baud Rate for First Port	9600 Baud
Response Timeout For First Po	0
Training Sequence Delay for Fi	0
Turnaround Delay for First Por	0
Second Serial S-Bus Port RS-485/RS-422	
Second Port Number	3
Enabled Second Serial S-Bus P	No
Full Protocol (PGU) For Second	Yes
Serial S-Bus Master Gateway On Second Serial Port	
Second Port Number Gateway	3
Use Second Port For Gateway	**Yes**
First S-Bus Station Of The Sec	0
Last S-Bus Station Of The Sec	253
S-Bus Mode And Timing For Second Port	
S-Bus Mode For Second Serial I	Data Mode
Baud Rate For Second Port	**38400 Baud**
Response Timeout For Second	0
Training Sequence Delay For S	0
Turnaround Delay For Second	0

Configuration of the PCS1 Device

S-BUS support and S-BUS address



Device

Type	Description
PCS1.C82x	Compact Controller with 44 data points.

Onboard Communications

Location	Type	Description
Onboard	RS-232/PGU	RS-232, PGU or general-purpose serial port.
Onboard	RS-232	RS-232, general-purpose serial port.
Onboard	RS-485	RS-485 port general-purpose communications.
Socket A		

Onboard Inputs/Outputs

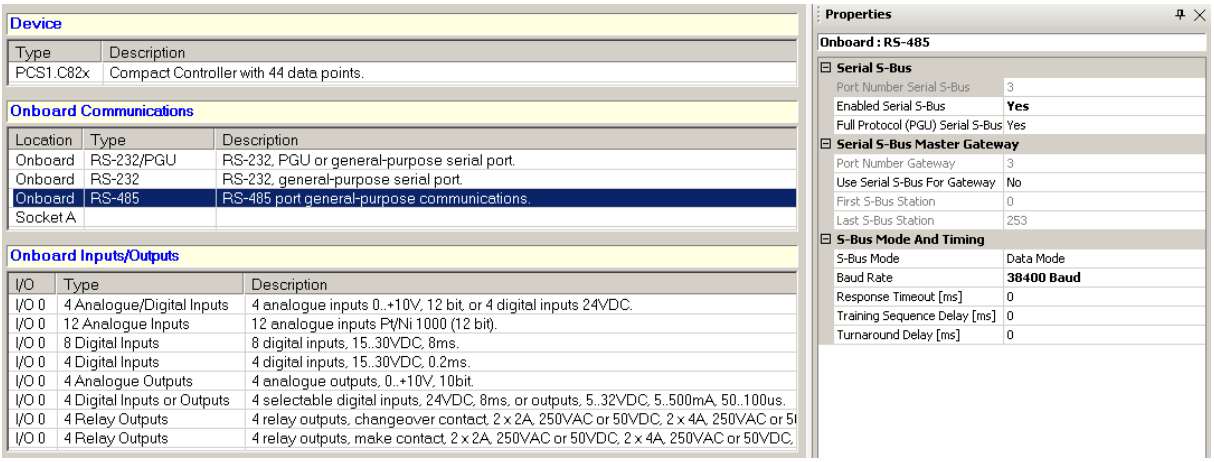
I/O	Type	Description
I/O 0	4 Analogue/Digital Inputs	4 analogue inputs 0..+10V, 12 bit, or 4 digital inputs 24VDC.
I/O 0	12 Analogue Inputs	12 analogue inputs Pt/Ni 1000 (12 bit).
I/O 0	8 Digital Inputs	8 digital inputs, 15..30VDC, 8ms.
I/O 0	4 Digital Inputs	4 digital inputs, 15..30VDC, 0.2ms.
I/O 0	4 Analogue Outputs	4 analogue outputs, 0..+10V, 10bit.
I/O 0	4 Digital Inputs or Outputs	4 selectable digital inputs, 24VDC, 8ms, or outputs, 5..32VDC, 5..500mA, 50..100us.
I/O 0	4 Relay Outputs	4 relay outputs, changeover contact, 2 x 2A, 250VAC or 50VDC, 2 x 4A, 250VAC or 5
I/O 0	4 Relay Outputs	4 relay outputs, make contact, 2 x 2A, 250VAC or 50VDC, 2 x 4A, 250VAC or 50VDC,

Properties

Device : PCS1.C82x

General	
Controller Type	**PCS1.C822/C823**
Memory	
Code/Text Memory	**1008KBytes Flash**
Extension Memory	**896 KBytes**
Extension Memory Initialisation	Normal (Fully re-initialized)
Password	
Password Enabled	No
Password	
Inactivity Timeout [minutes]	1
S-Bus	
S-Bus Support	Yes
S-Bus Station Number	**100**

Onboard serial S-BUS-Port



Device

Type	Description
PCS1.C82x	Compact Controller with 44 data points.

Onboard Communications

Location	Type	Description
Onboard	RS-232/PGU	RS-232, PGU or general-purpose serial port.
Onboard	RS-232	RS-232, general-purpose serial port.
Onboard	RS-485	RS-485 port general-purpose communications.
Socket A		

Onboard Inputs/Outputs

I/O	Type	Description
I/O 0	4 Analogue/Digital Inputs	4 analogue inputs 0..+10V, 12 bit, or 4 digital inputs 24VDC.
I/O 0	12 Analogue Inputs	12 analogue inputs Pt/Ni 1000 (12 bit).
I/O 0	8 Digital Inputs	8 digital inputs, 15..30VDC, 8ms.
I/O 0	4 Digital Inputs	4 digital inputs, 15..30VDC, 0.2ms.
I/O 0	4 Analogue Outputs	4 analogue outputs, 0..+10V, 10bit.
I/O 0	4 Digital Inputs or Outputs	4 selectable digital inputs, 24VDC, 8ms, or outputs, 5..32VDC, 5..500mA, 50..100us.
I/O 0	4 Relay Outputs	4 relay outputs, changeover contact, 2 x 2A, 250VAC or 50VDC, 2 x 4A, 250VAC or 5
I/O 0	4 Relay Outputs	4 relay outputs, make contact, 2 x 2A, 250VAC or 50VDC, 2 x 4A, 250VAC or 50VDC,

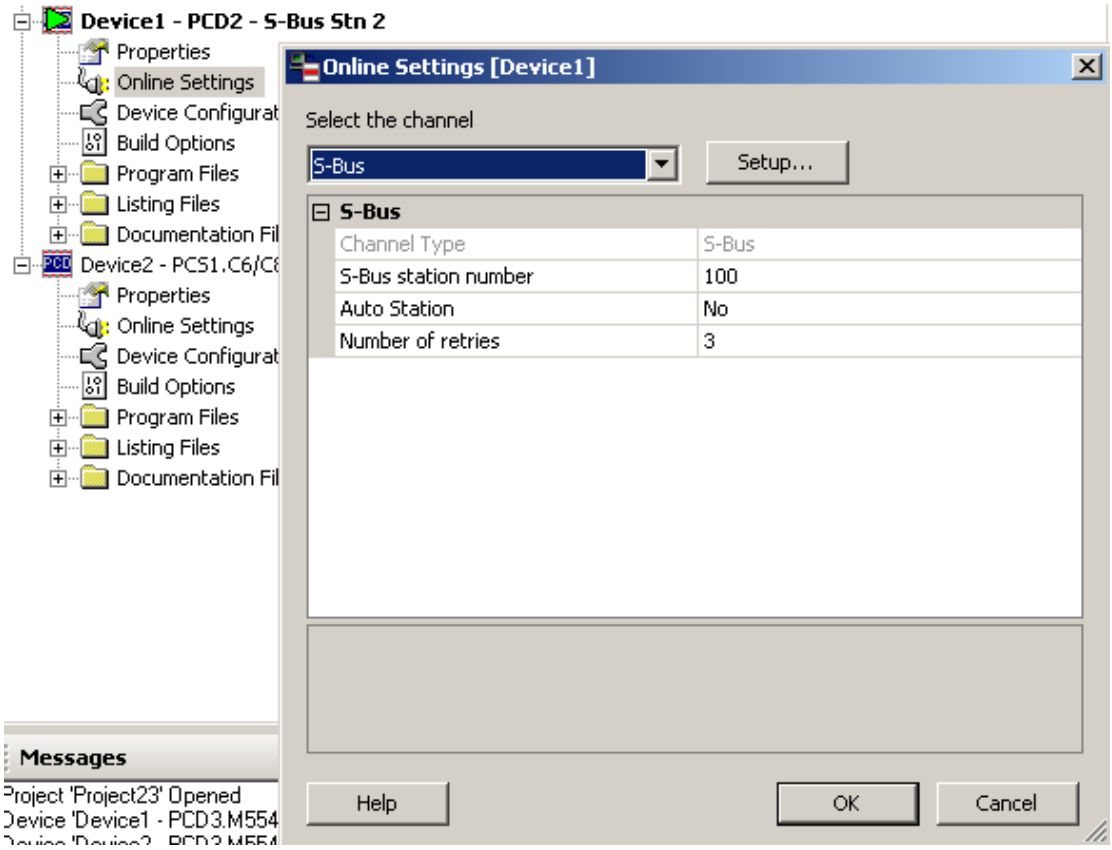
Properties

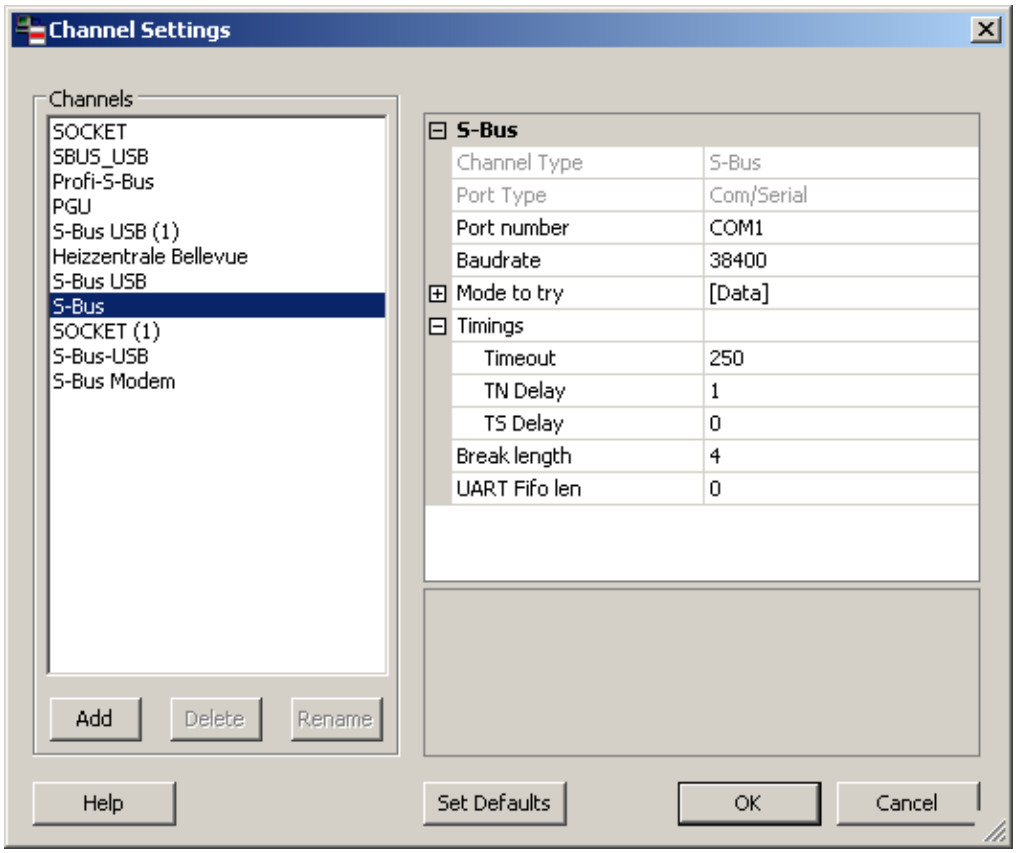
Onboard : RS-485

Serial S-Bus	
Port Number Serial S-Bus	3
Enabled Serial S-Bus	**Yes**
Full Protocol (PGU) Serial S-Bus	Yes
Serial S-Bus Master Gateway	
Port Number Gateway	3
Use Serial S-Bus For Gateway	No
First S-Bus Station	0
Last S-Bus Station	253
S-Bus Mode And Timing	
S-Bus Mode	Data Mode
Baud Rate	**38400 Baud**
Response Timeout [ms]	0
Training Sequence Delay [ms]	0
Turnaround Delay [ms]	0

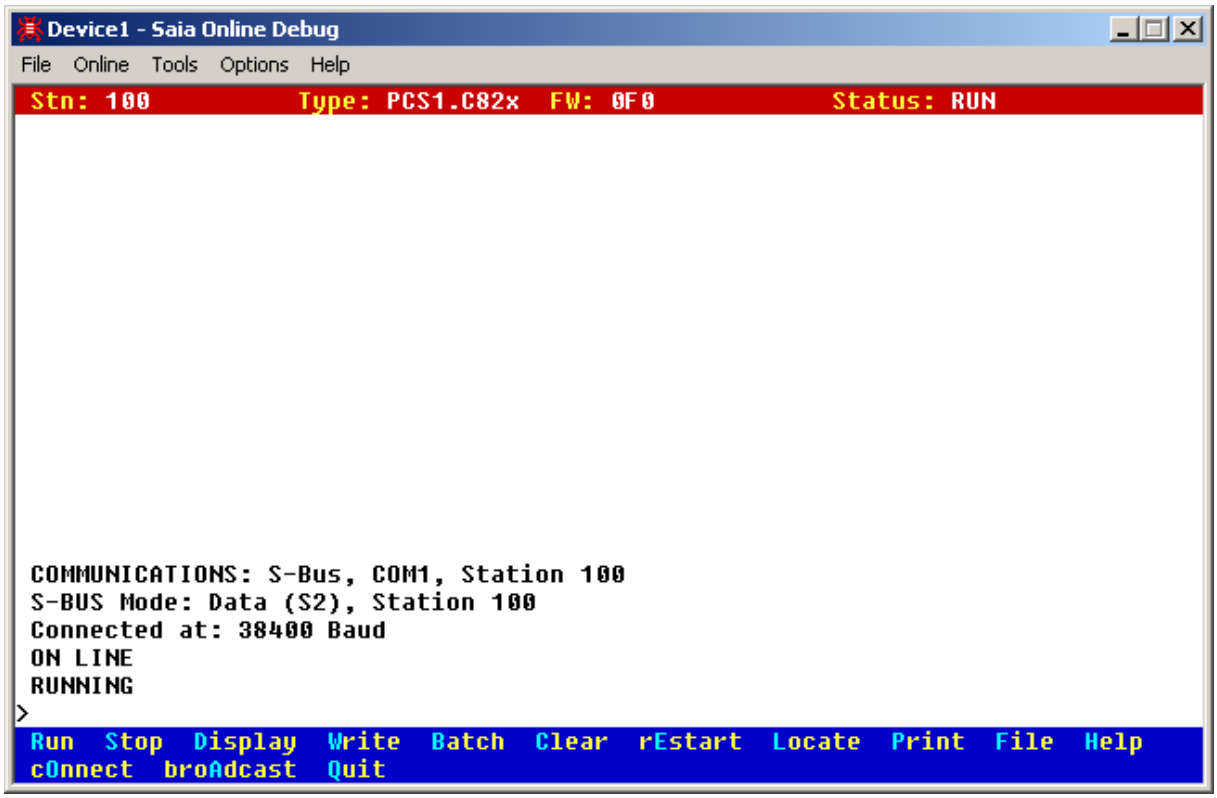
Program the PCS1 through the PCD2.M150 Gateway Master Port

Connect your PC with a PCD7.K111 programming cable unit to the PGU Port of the PCD2.M150. Adjust the “Online”-Settings to following, NOT using a PGU connection.





Connect with the “Online-Debugger” and download and debug the program of the PCS1.



Remark: sometimes you need to increase the “Timeout” value of the “Online Settings”.