

## Long Range UHF RFID Reader

**Aktuelle Konfiguration des Reader**

**Version 1.2  
Juli 2009**

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## 1. Vorbemerkungen

### 1.1. Hinweise



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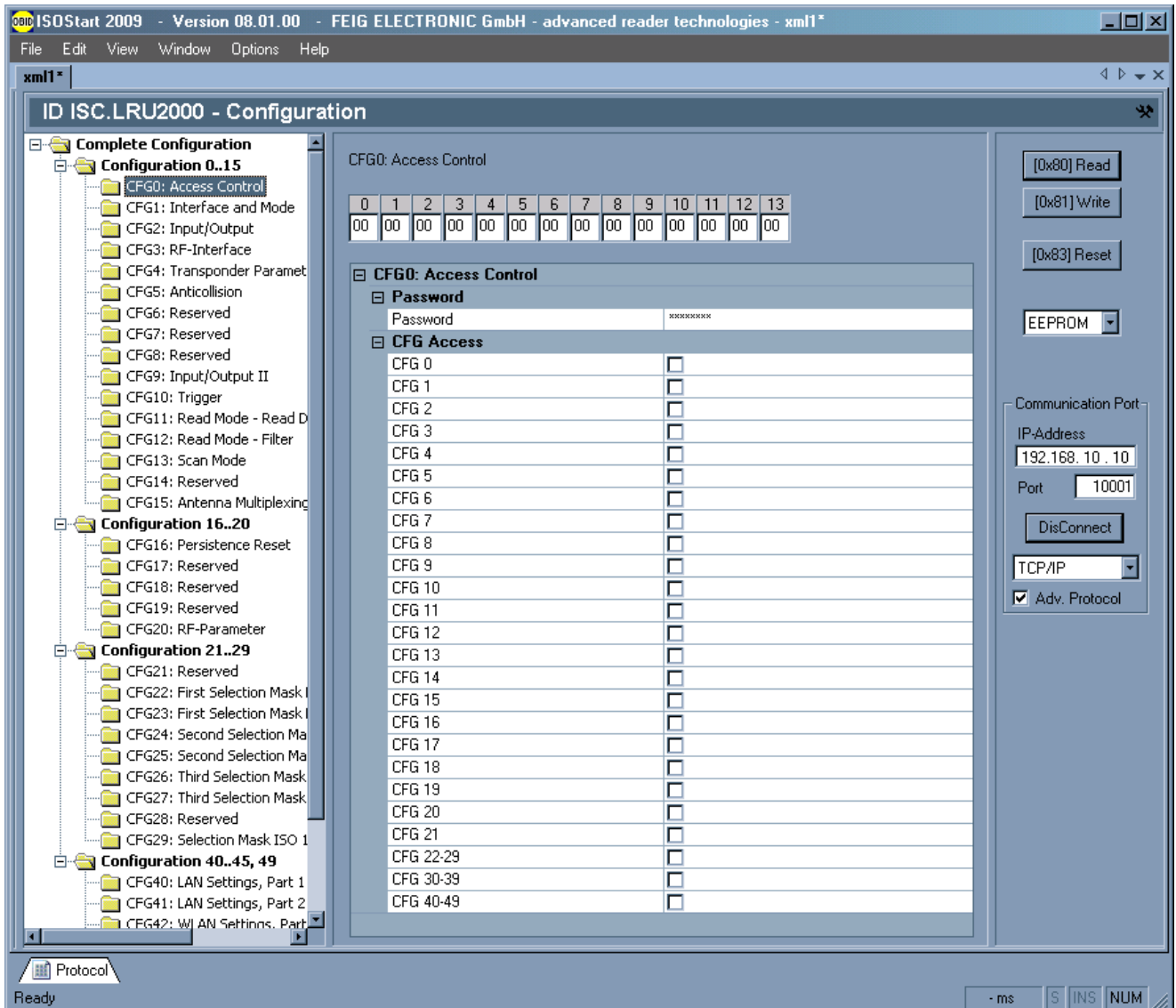
## 2. Aktuelle Readerparameter

Die Konfiguration der FEIG Reader ist technisch in Konfigurationsblöcke aufgeteilt, die jeweils komplett in den Speicher des Readers geschrieben werden. Diese Dokumentation verwendet die hardwareorientierte technische Darstellung der Konfiguration.

Die Readerkonfiguration wird von der Middleware auf den Reader übertragen und bei Bedarf aktualisiert. Die folgenden Einstellungen sind derzeit aktiv.

**Die Einstellungen können bei Bedarf für einzelne / alle Tore geändert werden!**

### 2.1. CFG0: Access Control



The screenshot shows the configuration software for the LRU2000 reader. The main window is titled "ID ISC.LRU2000 - Configuration". The left sidebar shows a tree view of the configuration structure, with "CFG0: Access Control" selected. The main area displays the "CFG0: Access Control" settings, including a table for CFG 0-49 and a right-hand panel for communication settings.

0	1	2	3	4	5	6	7	8	9	10	11	12	13
00	00	00	00	00	00	00	00	00	00	00	00	00	00

CFG0: Access Control	
Password	
Password	*****
CFG Access	
CFG 0	<input type="checkbox"/>
CFG 1	<input type="checkbox"/>
CFG 2	<input type="checkbox"/>
CFG 3	<input type="checkbox"/>
CFG 4	<input type="checkbox"/>
CFG 5	<input type="checkbox"/>
CFG 6	<input type="checkbox"/>
CFG 7	<input type="checkbox"/>
CFG 8	<input type="checkbox"/>
CFG 9	<input type="checkbox"/>
CFG 10	<input type="checkbox"/>
CFG 11	<input type="checkbox"/>
CFG 12	<input type="checkbox"/>
CFG 13	<input type="checkbox"/>
CFG 14	<input type="checkbox"/>
CFG 15	<input type="checkbox"/>
CFG 16	<input type="checkbox"/>
CFG 17	<input type="checkbox"/>
CFG 18	<input type="checkbox"/>
CFG 19	<input type="checkbox"/>
CFG 20	<input type="checkbox"/>
CFG 21	<input type="checkbox"/>
CFG 22-29	<input type="checkbox"/>
CFG 30-39	<input type="checkbox"/>
CFG 40-49	<input type="checkbox"/>

Right-hand panel settings:

- [0x80] Read
- [0x81] Write
- [0x83] Reset
- EEPROM
- Communication Port: IP-Address: 192.168.10.10, Port: 10001
- DisConnect
- TCP/IP
- Adv. Protocol

## 2.2. CFG1: Interface and Mode

The screenshot shows the configuration interface for the LRU2000 reader. The main window is titled "ID ISC.LRU2000 - Configuration". On the left, a tree view shows the configuration structure, with "CFG1: Interface and Mode" selected. The main area displays the settings for this configuration.

At the top, there is a memory dump table:

0	1	2	3	4	5	6	7	8	9	10	11	12	13
00	00	08	01	00	00	00	C8	00	00	00	00	05	80

The configuration settings are as follows:

- CFG1: Interface and Mode**
  - Reader Mode**: Buffered Read Mode
  - Transponder Response Time**: Transponder Response Timeout: 00200 x 5 ms
  - Interfaces**
    - Communication Interfaces: [RS232,LAN]
    - RS232: True
    - RS4xx: False
    - LAN: True
    - WLAN: False
    - Scan Mode Interface: RS232
  - RS232/4xx Settings**
    - Busaddress: 000
    - Baudrate: 38400 baud
    - Parity: even Parity
    - Number of Databits: 8 Data Bits
    - Number of Stopbits: 1 Stop Bit

On the right side, there are control buttons: [0x80] Read, [0x81] Write, [0x83] Reset, and an EEPROM dropdown menu. Below these, there is a Communication Port section with fields for IP-Address (192.168.10.10), Port (10001), and a DisConnect button. A TCP/IP dropdown menu is also present with the "Adv. Protocol" checkbox checked.

### 2.3. CFG2: Input/Output

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File Edit View Window Options Help

xml1\*

#### ID ISC.LRU2000 - Configuration

- Complete Configuration
  - Configuration 0..15
    - CFG0: Access Control
    - CFG1: Interface and Mode
    - CFG2: Input/Output**
    - CFG3: RF-Interface
    - CFG4: Transponder Paramet
    - CFG5: Anticollision
    - CFG6: Reserved
    - CFG7: Reserved
    - CFG8: Reserved
    - CFG9: Input/Output II
    - CFG10: Trigger
    - CFG11: Read Mode - Read D
    - CFG12: Read Mode - Filter
    - CFG13: Scan Mode
    - CFG14: Reserved
    - CFG15: Antenna Multiplexing
  - Configuration 16..20
    - CFG16: Persistence Reset
    - CFG17: Reserved
    - CFG18: Reserved
    - CFG19: Reserved
    - CFG20: RF-Parameter
  - Configuration 21..29
    - CFG21: Reserved
    - CFG22: First Selection Mask I
    - CFG23: First Selection Mask I
    - CFG24: Second Selection Ma
    - CFG25: Second Selection Ma
    - CFG26: Third Selection Mask
    - CFG27: Third Selection Mask
    - CFG28: Reserved
    - CFG29: Selection Mask ISO 1
  - Configuration 40..45, 49
    - CFG40: LAN Settings - Part 1

CFG2: Input/Output

0	1	2	3	4	5	6	7	8	9	10	11	12	13
84	A8	CC	FC	00	00	00	00	00	00	00	01	00	00

CFG2: Input/Output I

- Inputs
  - Mode for Input 1: active close
  - Mode for Input 2: active close
  - Mode for Input 3: active close
  - Mode for Input 4: active close
- Outputs
  - Output 1
    - Idle Mode for Output 1: ON
    - Idle Flash for Output 1: 1 Hz
    - Settling Time for Output 1: 00000 x 100 ms
  - Relay 1
    - Idle Mode for Relay 1: OFF
    - Idle Flash for Relay 1: 1 Hz
    - Settling Time for Relay 1: 00000 x 100 ms
  - Relay 2
    - Idle Mode for Relay 2: OFF
    - Idle Flash for Relay 2: 1 Hz
    - Settling Time for Relay 2: 00001 x 100 ms
  - Relay 3
    - Idle Mode for Relay 3: OFF
    - Idle Flash for Relay 3: 1 Hz
    - Settling Time for Relay 3: 000 x 100 ms
  - Relay 4
    - Idle Mode for Relay 4: OFF
    - Idle Flash for Relay 4: 1 Hz
    - Settling Time for Relay 4: 000 x 100 ms

[0x80] Read  
[0x81] Write  
[0x83] Reset  
EEPROM  
Communication Port:  
IP-Address: 192.168.10.10  
Port: 10001  
DisConnect  
TCP/IP  
 Adv. Protocol

Ready - ms S INS NUM

## 2.4. CFG3: RF-Interface

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xml1\*

### ID ISC.LRU2000 - Configuration

- Complete Configuration
  - Configuration 0..15
    - CFG0: Access Control
    - CFG1: Interface and Mode
    - CFG2: Input/Output
    - CFG3: RF-Interface**
    - CFG4: Transponder Parameters
    - CFG5: Anticollision
    - CFG6: Reserved
    - CFG7: Reserved
    - CFG8: Reserved
    - CFG9: Input/Output II
    - CFG10: Trigger
    - CFG11: Read Mode - Read Data
    - CFG12: Read Mode - Filter
    - CFG13: Scan Mode
    - CFG14: Reserved
    - CFG15: Antenna Multiplexing
  - Configuration 16..20
    - CFG16: Persistence Reset
    - CFG17: Reserved
    - CFG18: Reserved
    - CFG19: Reserved
    - CFG20: RF-Parameter
  - Configuration 21..29
    - CFG21: Reserved
    - CFG22: First Selection Mask EP
    - CFG23: First Selection Mask EP
    - CFG24: Second Selection Mask
    - CFG25: Second Selection Mask
    - CFG26: Third Selection Mask EP
    - CFG27: Third Selection Mask EP
    - CFG28: Reserved
    - CFG29: Selection Mask ISO 180
  - Configuration 40..45, 49
    - CFG40: LAN Settings, Part 1
    - CFG41: LAN Settings, Part 2
    - CFG42: WLAN Settings, Part 1
    - CFG43: WLAN Settings, Part 2
    - CFG44: WLAN Security Settings
    - CFG45: WLAN Security Settings
    - CFG49: Notification Channel

CFG3: RF-Interface

0	1	2	3	4	5	6	7	8	9	10	11	12	13
00	10	23	06	00	00	1F	F8	32	01	01	04	4A	7D

- CFG3: RF-Interface
  - Transponder Driver
    - B: 18000-6-B
    - E: EPC Class 1 Generation 2
  - RF-Power
    - Power Level: 2.0 W
  - Region
    - Regulation: EN 302208 4 Channel Plan
  - Channels
    - EU
 

Channel 1 - 865.1 MHz (100mW)	<input type="checkbox"/>
Channel 2 - 865.3 MHz (100mW)	<input type="checkbox"/>
Channel 3 - 865.5 MHz (100mW)	<input type="checkbox"/>
Channel 4 - 865.7 MHz (2W)	<input checked="" type="checkbox"/>
Channel 5 - 865.9 MHz (2W)	<input checked="" type="checkbox"/>
Channel 6 - 866.1 MHz (2W)	<input checked="" type="checkbox"/>
Channel 7 - 866.3 MHz (2W)	<input checked="" type="checkbox"/>
Channel 8 - 866.5 MHz (2W)	<input checked="" type="checkbox"/>
Channel 9 - 866.7 MHz (2W)	<input checked="" type="checkbox"/>
Channel 10 - 866.9 MHz (2W)	<input checked="" type="checkbox"/>
Channel 11 - 867.1 MHz (2W)	<input checked="" type="checkbox"/>
Channel 12 - 867.3 MHz (2W)	<input checked="" type="checkbox"/>
Channel 13 - 867.5 MHz (2W)	<input checked="" type="checkbox"/>
Channel 14 - 867.7 MHz (500mW)	<input type="checkbox"/>
Channel 15 - 867.9 MHz (500mW)	<input type="checkbox"/>
Disable Fallback Channel at 869 MHz	<input type="checkbox"/>
    - US
 

FCC Lower Channel	902.75 MHz
FCC Upper Channel	927.25 MHz
FCC Frequency Allocation	automatically set - US Mode
    - Korea
 

Upper Channel for Region Korea	
Lower Channel for Region Korea	910.1 MHz
    - EU Preferred Channels
 

Number of channels (1- 4) for region E	4
1st Channel	865.7 MHz
2nd Channel	866.9 MHz
3rd Channel	866.3 MHz
4th Channel	867.5 MHz

[0x80] Read

[0x81] Write

[0x83] Reset

EEPROM

Communication Port:

IP-Address: 192.168.10.10

Port: 10001

DisConnect

TCP/IP

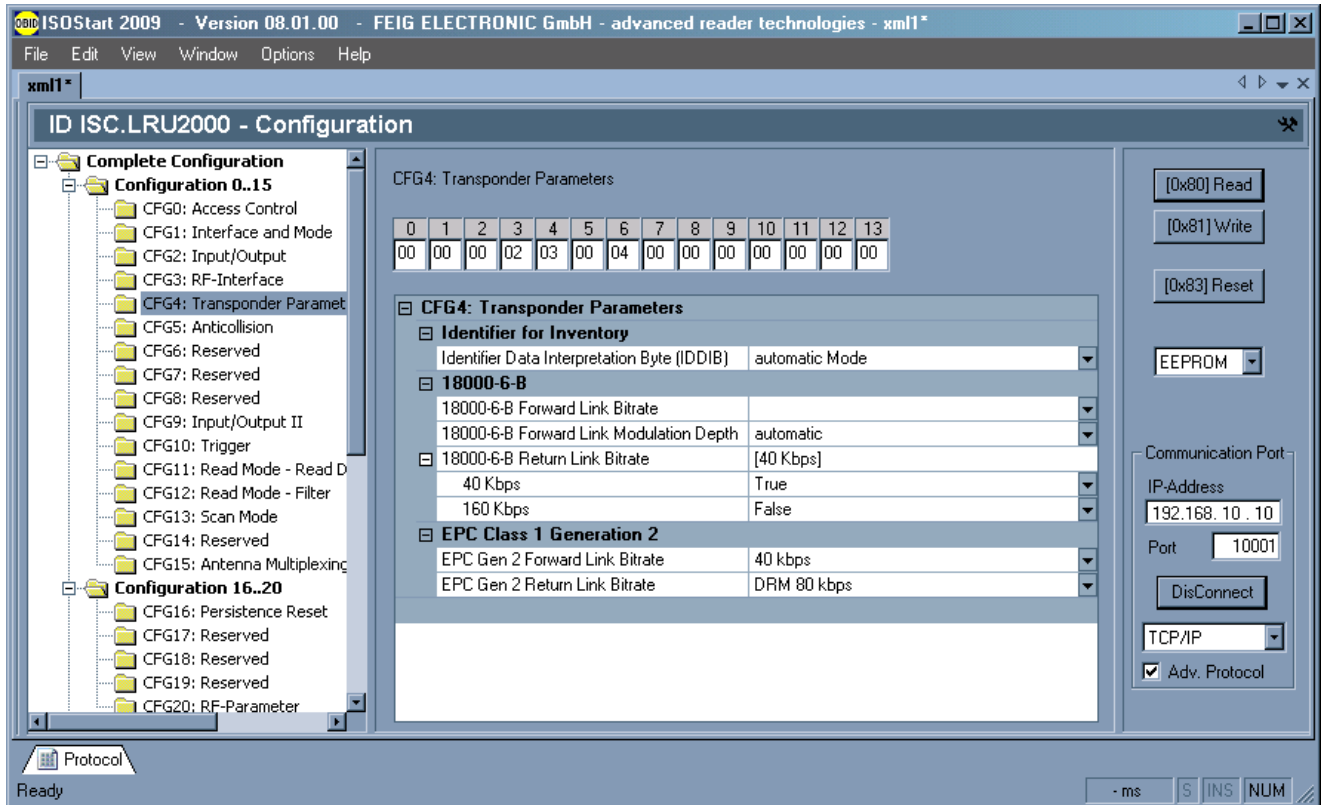
Adv. Protocol

Ready

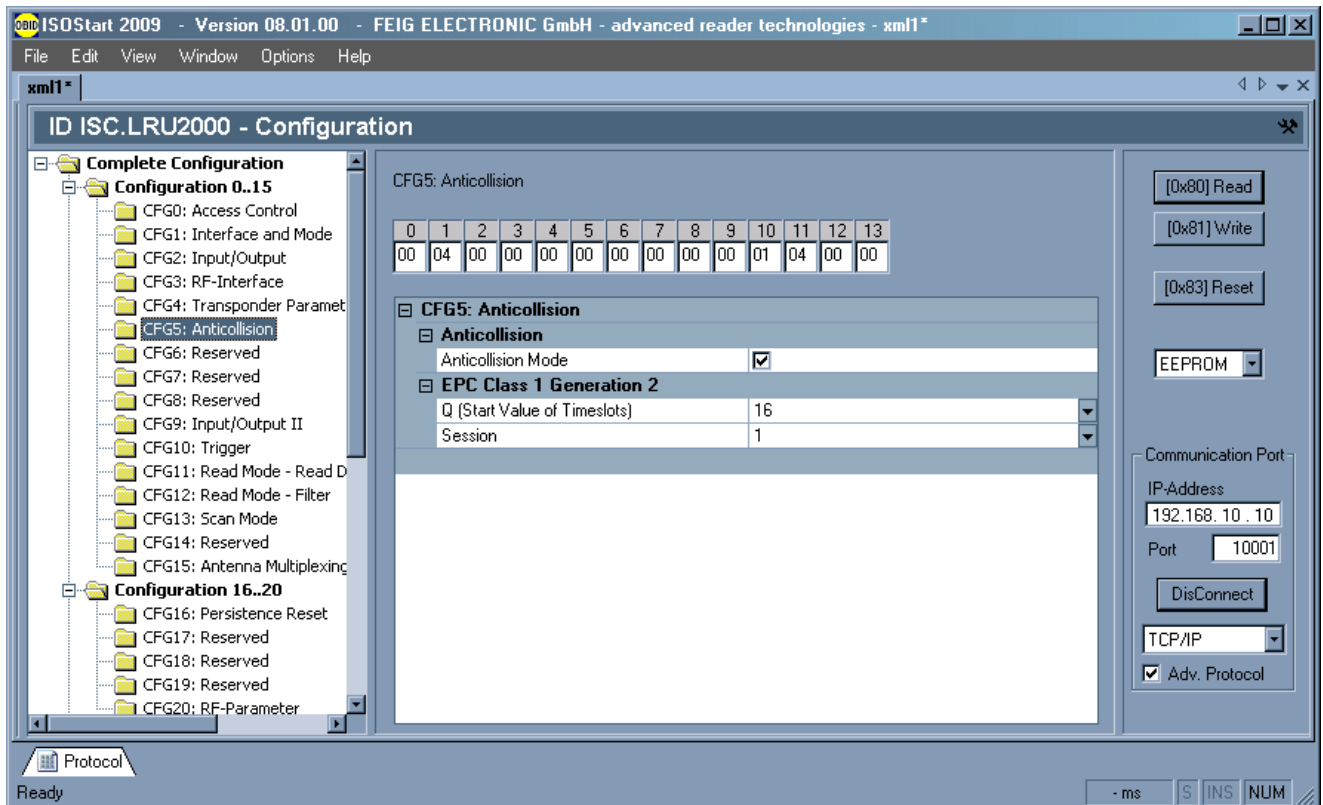
Protocol

- ms S INS NUM

## 2.5. CFG4: Transponder Parameters



## 2.6. CFG5: Anticollision



## 2.7. CFG9: Input/Output II

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File Edit View Window Options Help

xml1\*

### ID ISC.LRU2000 - Configuration

- Complete Configuration
  - Configuration 0..15
    - CFG0: Access Control
    - CFG1: Interface and Mode
    - CFG2: Input/Output
    - CFG3: RF-Interface
    - CFG4: Transponder Paramet
    - CFG5: Anticollision
    - CFG6: Reserved
    - CFG7: Reserved
    - CFG8: Reserved
    - CFG9: Input/Output II**
    - CFG10: Trigger
    - CFG11: Read Mode - Read D
    - CFG12: Read Mode - Filter
    - CFG13: Scan Mode
    - CFG14: Reserved
    - CFG15: Antenna Multiplexing
  - Configuration 16..20
    - CFG16: Persistence Reset
    - CFG17: Reserved
    - CFG18: Reserved
    - CFG19: Reserved
    - CFG20: RF-Parameter
  - Configuration 21..29
    - CFG21: Reserved
    - CFG22: First Selection Mask I
    - CFG23: First Selection Mask I
    - CFG24: Second Selection Ma
    - CFG25: Second Selection Ma
    - CFG26: Third Selection Mask
    - CFG27: Third Selection Mask
    - CFG28: Reserved
    - CFG29: Selection Mask ISO 1
  - Configuration 40..45, 49
    - CFG40: LAN Settings - Part 1

CFG9: Input/Output II

0	1	2	3	4	5	6	7	8	9	10	11	12	13
00	00	00	00	00	00	00	00	0F	00	00	00	00	00

**CFG9: Input/Output II**

- Assignments for Read Events
  - Output 1 Assignment
 

Antenna 1	False
Antenna 2	False
Antenna 3	False
Antenna 4	False
  - Relay 1 Assignment
 

Antenna 1	False
Antenna 2	False
Antenna 3	False
Antenna 4	False
  - Relay 2 Assignment
 

[Antenna 1, Antenna 2, Antenna 3, Antenna 4]	
Antenna 1	True
Antenna 2	True
Antenna 3	True
Antenna 4	True
  - Relay 3 Assignment
 

Antenna 1	False
Antenna 2	False
Antenna 3	False
Antenna 4	False
  - Relay 4 Assignment
 

Antenna 1	False
Antenna 2	False
Antenna 3	False
Antenna 4	False

[0x80] Read  
[0x81] Write  
[0x83] Reset

EEPROM

Communication Port  
IP-Address: 192.168.10.10  
Port: 10001  
DisConnect  
TCP/IP  
 Adv. Protocol

Ready - ms S INS NUM

## 2.8. CFG10: Trigger

The screenshot shows the 'ID ISC.LRU2000 - Configuration' window. The left sidebar shows a tree view with 'CFG10: Trigger' selected. The main area displays the 'CFG10: Trigger' configuration. At the top, there is a hex dump table:

0	1	2	3	4	5	6	7	8	9	10	11	12	13
00	00	00	05	00	05	00	05	00	05	00	00	00	00

Below the hex dump, the 'CFG10: Trigger' section is expanded to show 'Trigger Mode' and four 'Input' sections:

- Trigger Mode:**
  - Enable Trigger:
  - Unlimited Valid Time: Valid Time is limited to one Trigger Period
- Input 1:**
  - Input 1 is: Trigger not used
  - Trigger 1 Hold Time: 00005 x 100 ms
- Input 2:**
  - Input 2 is: Trigger not used
  - Trigger 2 Hold Time: 00005 x 100 ms
- Input 3:**
  - Input 3 is: Trigger not used
  - Trigger 3 Hold Time: 00005 x 100 ms
- Input 4:**
  - Input 4 is: Trigger not used
  - Trigger 4 Hold Time: 00005 x 100 ms

On the right side, there are control buttons: '[0x80] Read', '[0x81] Write', and '[0x83] Reset'. Below these is an 'EEPROM' dropdown menu. The 'Communication Port' section includes:
 

- IP-Address: 192.168.10.10
- Port: 10001
- DisConnect button
- TCP/IP dropdown menu
- Adv. Protocol checkbox (checked)

## 2.9. CFG11: Read Mode - Read Data

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File Edit View Window Options Help

xml1\*

### ID ISC.LRU2000 - Configuration

- Complete Configuration
  - Configuration 0..15
    - CFG0: Access Control
    - CFG1: Interface and Mode
    - CFG2: Input/Output
    - CFG3: RF-Interface
    - CFG4: Transponder Paramet
    - CFG5: Anticollision
    - CFG6: Reserved
    - CFG7: Reserved
    - CFG8: Reserved
    - CFG9: Input/Output II
    - CFG10: Trigger
    - CFG11: Read Mode - Read D**
    - CFG12: Read Mode - Filter
    - CFG13: Scan Mode
    - CFG14: Reserved
    - CFG15: Antenna Multiplexing
  - Configuration 16..20
    - CFG16: Persistence Reset
    - CFG17: Reserved
    - CFG18: Reserved
    - CFG19: Reserved
    - CFG20: RF-Parameter
  - Configuration 21..29
    - CFG21: Reserved
    - CFG22: First Selection Mask I
    - CFG23: First Selection Mask I
    - CFG24: Second Selection Ma
    - CFG25: Second Selection Ma
    - CFG26: Third Selection Mask

CFG11: Read Mode - Read Data

0	1	2	3	4	5	6	7	8	9	10	11	12	13
81	01	00	00	00	00	00	00	00	01	00	00	00	04

CFG11: Read Mode - Read Data

- Transponder Data
  - TR-DATA 1
    - Serial Number
    - Data Block
    - EAS
    - Number of Antenna
    - Time
    - Date
    - Extension Flag (enables TR-DATA 2)
    - Byte Order: MSB first
  - TR-DATA 2
    - Input
    - Antenna Extended
  - TR-DATA 3
    - COM Prefix (only for Scan-Mode)
    - Antenna Store: Each dataset is stored for each antenna separ
- Data Location Definition
  - Bank: reserved
  - DB-Address: 00000
  - Number of Datablocks: 00001
  - Data-Start: 000
  - Data-Length: 00004

[0x80] Read  
[0x81] Write  
[0x83] Reset

EEPROM

Communication Port  
IP-Address: 192.168.10.10  
Port: 10001  
DisConnect  
TCP/IP  
 Adv. Protocol

Protocol

Ready

-ms S INS NUM

## 2.10. CFG12: Read Mode - Filter

The screenshot shows the 'ID ISC.LRU2000 - Configuration' window. The left sidebar lists various configuration folders, with 'CFG12: Read Mode - Filter' selected. The main area displays the configuration for 'CFG12: Read Mode - Filter'.

At the top of the main area is a 14-bit data table:

0	1	2	3	4	5	6	7	8	9	10	11	12	13
02	58	01	00	00	01	03	00	00	00	00	00	00	00

Below the table are three expandable sections:

- Valid Time**: Valid Time: 00600 x 100 ms
- Transponder Identification**:
  - Data Source: Serial Number
  - Datablock Address (if Data Source = Datablock): 00000
  - Number of Datablocks (if Data Source = Datablock): 001
- Event Filter**:
 

Notify Event for Input 1	<input checked="" type="checkbox"/>
Notify Event for Input 2	<input checked="" type="checkbox"/>
Notify Event for Input 3	<input type="checkbox"/>
Notify Event for Input 4	<input type="checkbox"/>
Notify Trigger Event	<input type="checkbox"/>
Notify Timeout Event	<input type="checkbox"/>

The right-hand panel contains control buttons: [0x80] Read, [0x81] Write, [0x83] Reset, and an EEPROM dropdown menu. Below these are communication port settings: IP-Address (192.168.10.10), Port (10001), DisConnect button, TCP/IP dropdown, and a checked Adv. Protocol checkbox.

## 2.11. CFG13: Scan Mode

The screenshot shows the 'ID ISC.LRU2000 - Configuration' window. The left sidebar shows a tree view of configurations, with 'CFG13: Scan Mode' selected. The main area displays the configuration for 'CFG13: Scan Mode'.

**CFG13: Scan Mode**

0	1	2	3	4	5	6	7	8	9	10	11	12	13
02	20	2C	01	0D	00	00	00	00	00	00	00	00	00

**CFG13: Scan Mode**

- Format**
  - Data Format: ASCII formatted hex-data
- Frame Characters**
  - Predefined Characters**
    - Separation Character: ,
    - End Character: CR+LF
  - User defined Characters**
    - Header Characters**
      - Number of user defined Header Chara: no HEADER byte
      - 1st user defined Header Character: 00
      - 2nd user defined Header Character: 00
      - 3rd user defined Header Character: 00
      - 4th user defined Header Character: 00
    - Separation Character**
      - User defined Separation Character: 2C
    - End Characters**
      - Number of user defined End Characte: END-USR1
      - 1st user defined End Character: 0D
      - 2nd user defined End Character: 00
      - 3rd user defined End Character: 00

**Right Panel:**

- [0x80] Read
- [0x81] Write
- [0x83] Reset
- EEPROM
- Communication Port:
  - IP-Address: 192.168.10.10
  - Port: 10001
  - DisConnect
  - TCP/IP
  - Adv. Protocol

**Bottom Panel:**

- Protocol
- Ready
- ms S INS NUM

## 2.12. CFG15: Antenna Multiplexing

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File Edit View Window Options Help

xml1\*

### ID ISC.LRU2000 - Configuration

**Complete Configuration**

- Configuration 0..15
  - CFG0: Access Cont
  - CFG1: Interface an
  - CFG2: Input/Output
  - CFG3: RF-Interface
  - CFG4: Transponder
  - CFG5: Anticollision
  - CFG6: Reserved
  - CFG7: Reserved
  - CFG8: Reserved
  - CFG9: Input/Output
  - CFG10: Trigger
  - CFG11: Read Mode
  - CFG12: Read Mode
  - CFG13: Scan Mode
  - CFG14: Reserved
  - CFG15: Antenna Mi
- Configuration 16..20
  - CFG16: Persistence
  - CFG17: Reserved
  - CFG18: Reserved
  - CFG19: Reserved
  - CFG20: RF-Parame
- Configuration 21..29
  - CFG21: Reserved
  - CFG22: First Select
  - CFG23: First Select
  - CFG24: Second Sel
  - CFG25: Second Sel
  - CFG26: Third Select
  - CFG27: Third Select
  - CFG28: Reserved
  - CFG29: Selection M
- Configuration 40..45
  - CFG40: LAN Setting
  - CFG41: LAN Setting
  - CFG42: WLAN Setti
  - CFG43: WLAN Setti

CFG15: Antenna Multiplexing

0	1	2	3	4	5	6	7	8	9	10	11	12	13
01	04	00	14	00	14	00	14	00	14	00	00	00	00

**CFG15: Antenna Multiplexing**

- Internal Multiplexer**
  - Multiplexer Mode**
    - Enable Multiplexer
  - Multiplexer Configuration**
    - Antenna Selection Mode Antenna Outputs specified by Number of Antenna C
    - Number of Antenna Outputs 4
  - Selected Antennas**

Antenna 1	False
Antenna 2	False
Antenna 3	False
Antenna 4	False
  - Multiplexer Valid Times**

Valid Time for 1st Antenna	00020 x 5 ms
Valid Time for 2nd Antenna	00020 x 5 ms
Valid Time for 3rd Antenna	00020 x 5 ms
Valid Time for 4th Antenna	00020 x 5 ms
- External Multiplexer**
  - Selected Antennas for external MUX at Output 1
 

Antenna 1	False
Antenna 2	False
Antenna 3	False
Antenna 4	False
Antenna 5	False
Antenna 6	False
Antenna 7	False
Antenna 8	False
  - Selected Antennas for external MUX at Output 2
  - Selected Antennas for external MUX at Output 3
  - Selected Antennas for external MUX at Output 4

[0x80] Read

[0x81] Write

[0x83] Reset

EEPROM

Communication Port

IP-Address: 192.168.10.10

Port: 10001

DisConnect

TCP/IP

Adv. Protocol

Protocol

Ready

- ms S INS NUM

### 2.13. CFG16: Persistence Reset

ISOStart 2009 - Version 08.01.00 - FEIG ELECTRONIC GmbH - advanced reader technologies - xml1\*

File Edit View Window Options Help

xml1\*

**ID ISC.LRU2000 - Configuration**

Complete Configuration

- Configuration 0..15
  - CFG0: Access Cont
  - CFG1: Interface an
  - CFG2: Input/Output
  - CFG3: RF-Interface
  - CFG4: Transponder
  - CFG5: Anticollision
  - CFG6: Reserved
  - CFG7: Reserved
  - CFG8: Reserved
  - CFG9: Input/Output
  - CFG10: Trigger
  - CFG11: Read Mode
  - CFG12: Read Mode
  - CFG13: Scan Mode
  - CFG14: Reserved
  - CFG15: Antenna M
- Configuration 16..20
  - CFG16: Persistence**
  - CFG17: Reserved
  - CFG18: Reserved
  - CFG19: Reserved
  - CFG20: RF-Parame

CFG16: Persistence Reset

0	1	2	3	4	5	6	7	8	9	10	11	12	13
00	00	00	28	00	28	00	28	00	28	00	00	00	00

CFG16: Persistence Reset

- Persistence Mode
  - Persistence Mode: All antenna ports act as one reading point (time 1 is
- Persistence Reset Times
 

Reset Time of 1st Antenna	00040 x 5 ms
Reset Time of 2nd Antenna	00040 x 5 ms
Reset Time of 3rd Antenna	00040 x 5 ms
Reset Time of 4th Antenna	00040 x 5 ms

[0x80] Read  
[0x81] Write  
[0x83] Reset  
EEPROM  
Communication Port  
IP-Address: 192.168.10.10  
Port: 10001  
DisConnect  
TCP/IP  
 Adv. Protocol

Ready - ms S INS NUM

### 2.14. CFG20: RF-Parameter

ISOStart 2009 - Version 08.01.00 - FEIG ELECTRONIC GmbH - advanced reader technologies - xml1\*

File Edit View Window Options Help

xml1\*

**ID ISC.LRU2000 - Configuration**

Complete Configuration

- Configuration 0..15
  - CFG0: Access Cont
  - CFG1: Interface an
  - CFG2: Input/Output
  - CFG3: RF-Interface
  - CFG4: Transponder
  - CFG5: Anticollision
  - CFG6: Reserved
  - CFG7: Reserved
  - CFG8: Reserved
  - CFG9: Input/Output
  - CFG10: Trigger
  - CFG11: Read Mode
  - CFG12: Read Mode
  - CFG13: Scan Mode
  - CFG14: Reserved
  - CFG15: Antenna M
- Configuration 16..20
  - CFG16: Persistence
  - CFG17: Reserved
  - CFG18: Reserved
  - CFG19: Reserved
  - CFG20: RF-Parame**

CFG20: RF-Parameter

0	1	2	3	4	5	6	7	8	9	10	11	12	13
00	00	00	00	00	00	00	00	11	00	23	23	23	00

CFG20: RF-Parameter

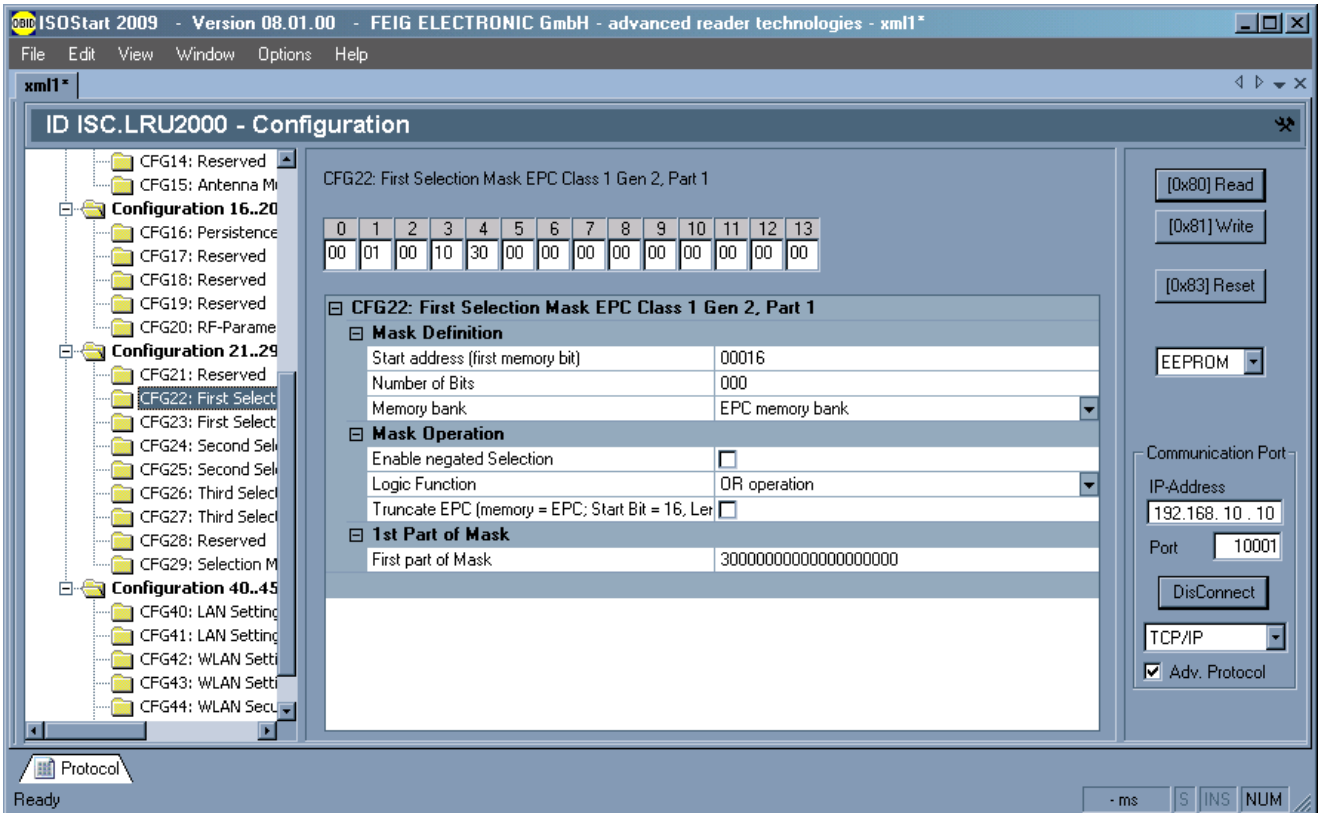
- Antenna Parameters
 

Antenna Gain	8.5dBi
Antenna Type	external Antenna
Power Level Antenna 2	2.0 W
Power Level Antenna 3	2.0 W
Power Level Antenna 4	2.0 W

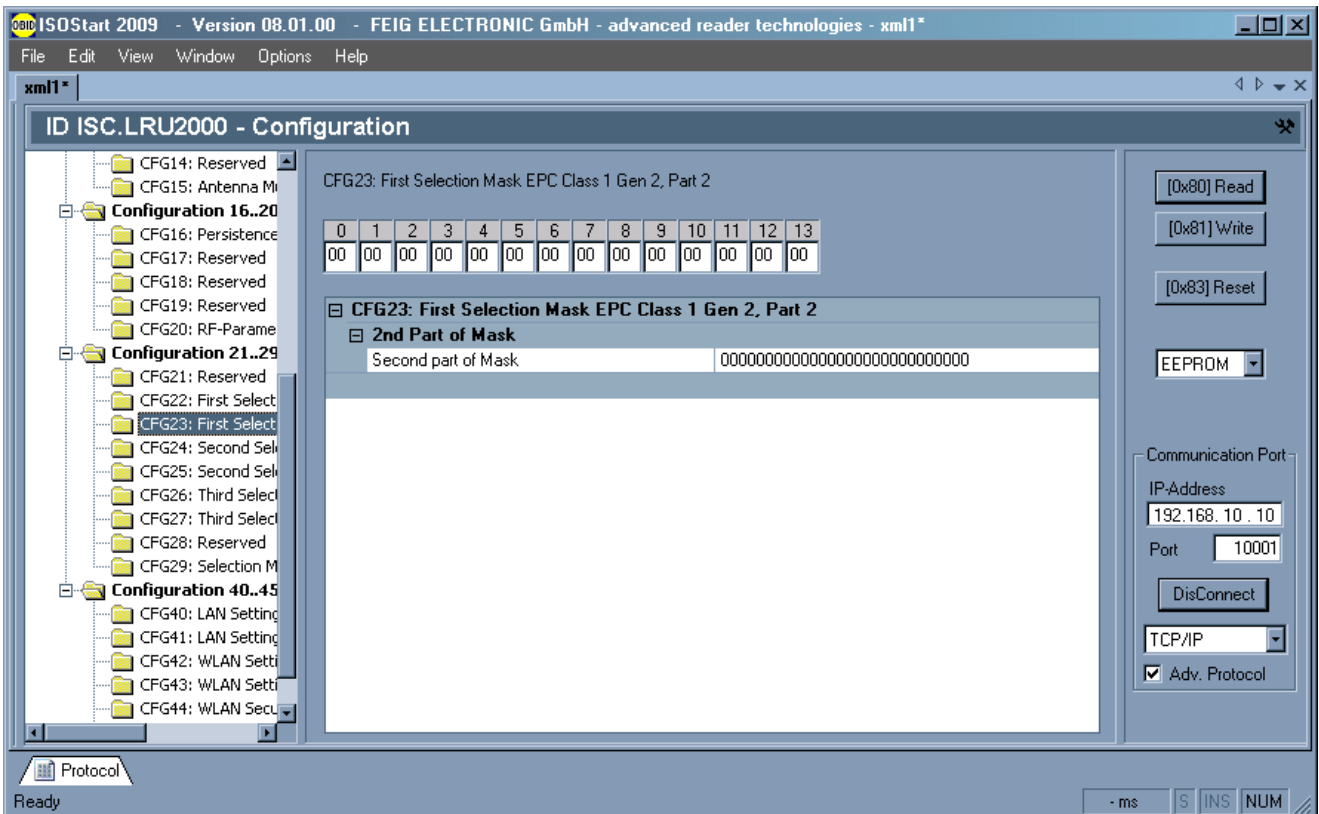
[0x80] Read  
[0x81] Write  
[0x83] Reset  
EEPROM  
Communication Port  
IP-Address: 192.168.10.10  
Port: 10001  
DisConnect  
TCP/IP  
 Adv. Protocol

Ready - ms S INS NUM

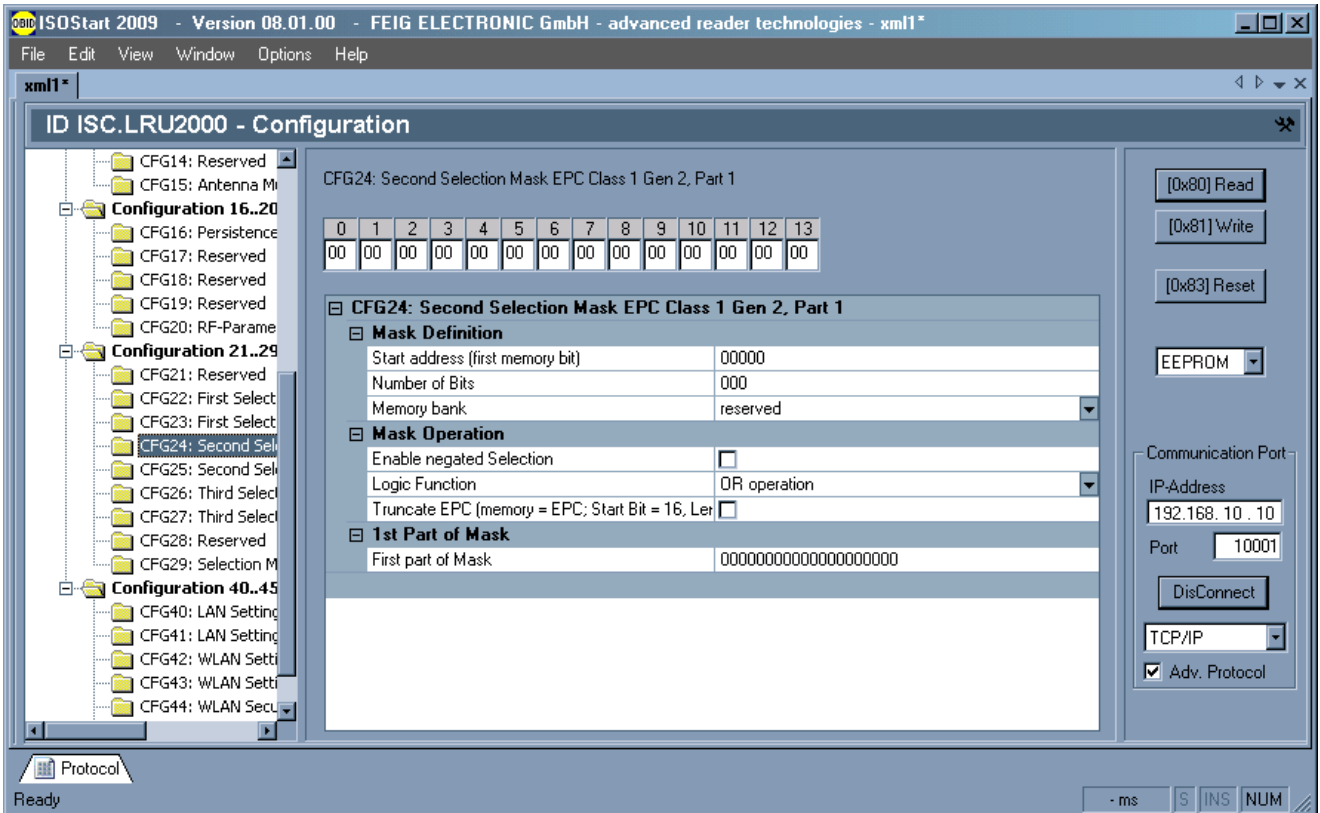
## 2.15. CFG22: First Selection Mask EPC Class 1 Gen 2, Part 1 (not used)



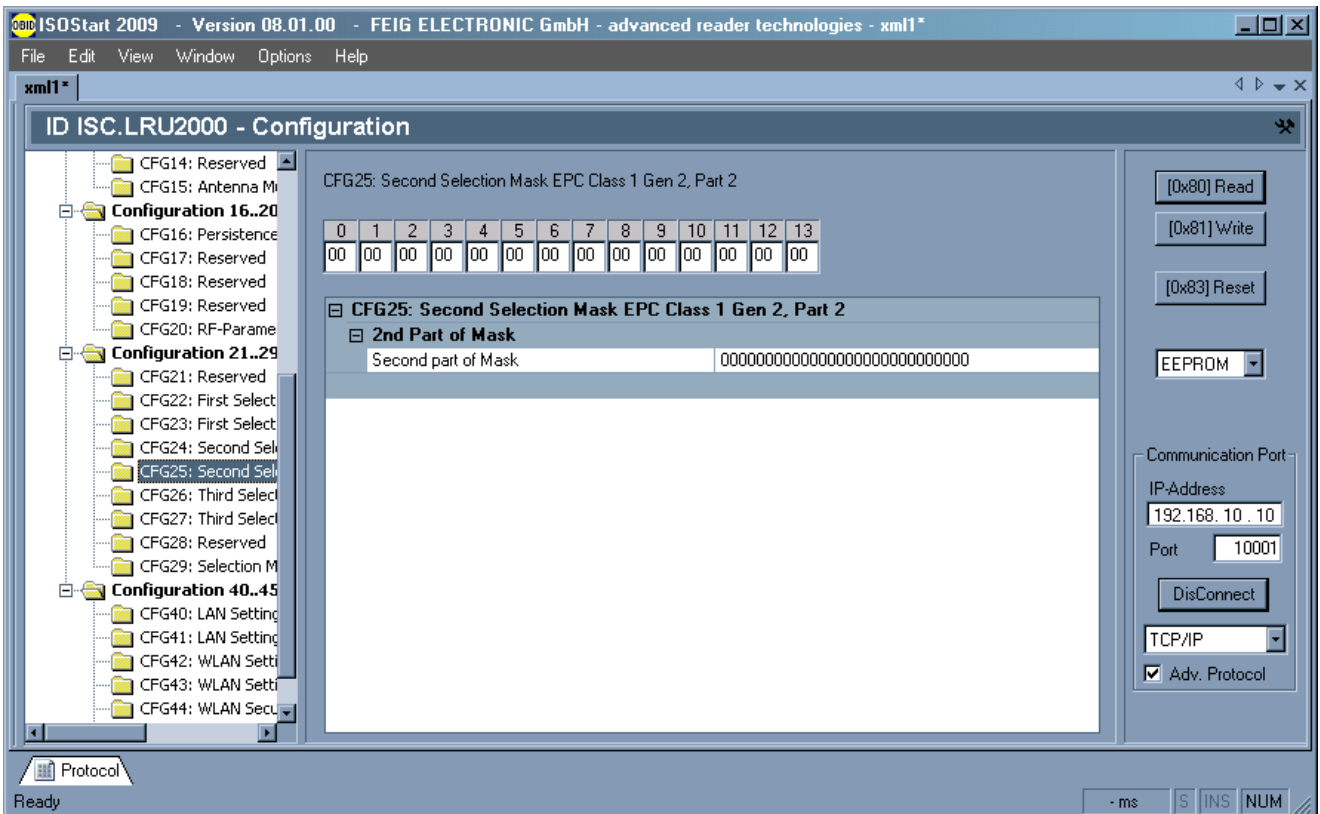
## 2.16. CFG23: First Selection Mask EPC Class 1 Gen 2, Part 2 (not used)



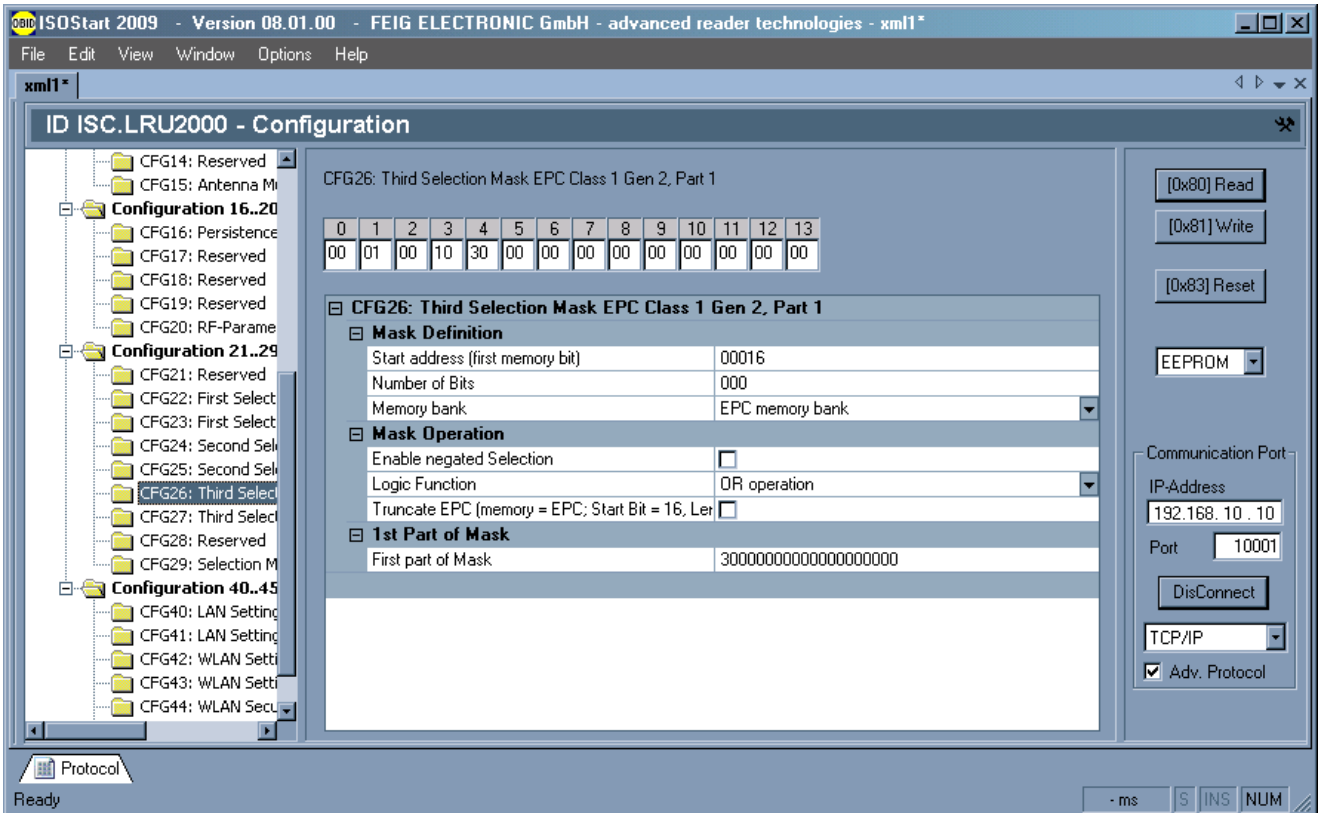
## 2.17. CFG24: Second Selection Mask EPC Class 1 Gen 2, Part 1 (not used)



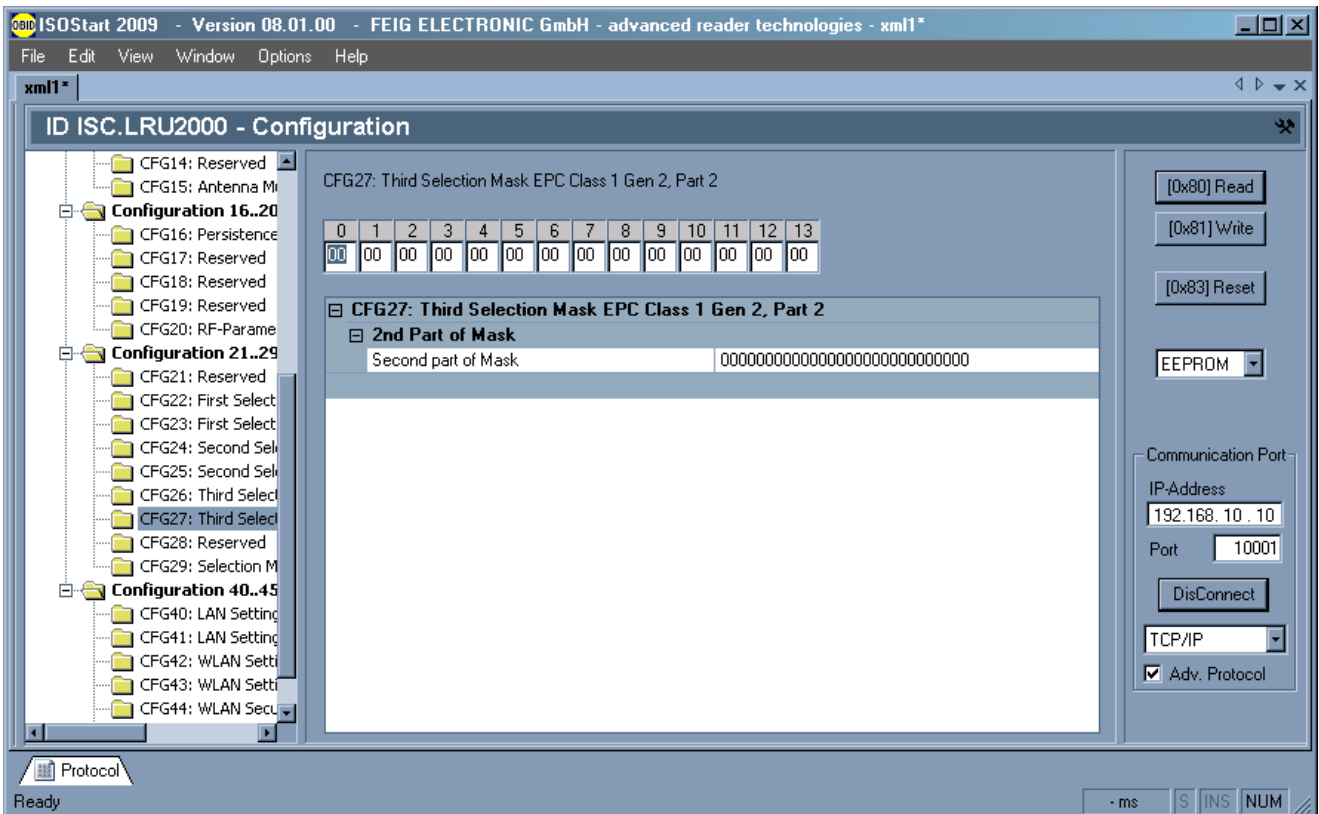
## 2.18. CFG25: Second Selection Mask EPC Class 1 Gen 2, Part 2 (not used)



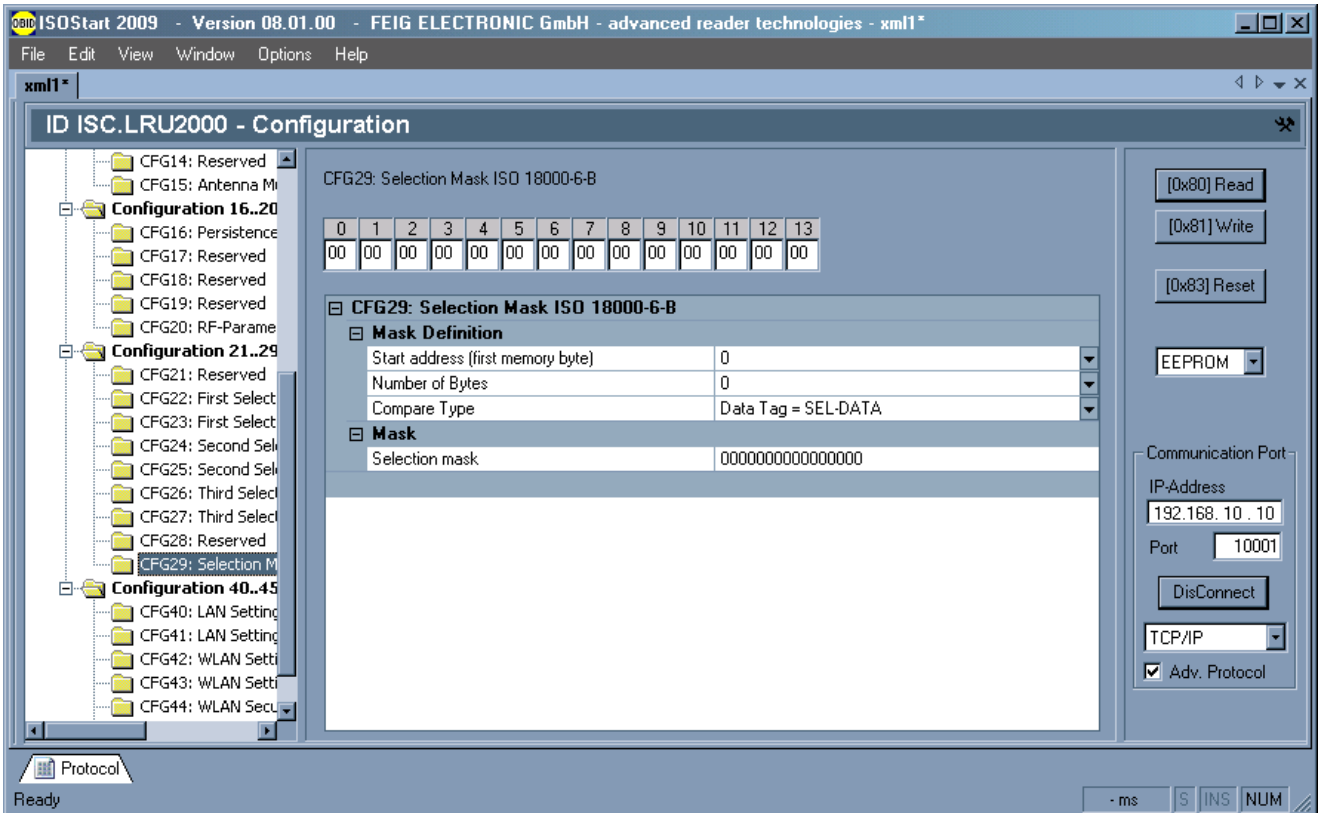
## 2.19. CFG26: Third Selection Mask EPC Class 1 Gen 2, Part 1 (not used)



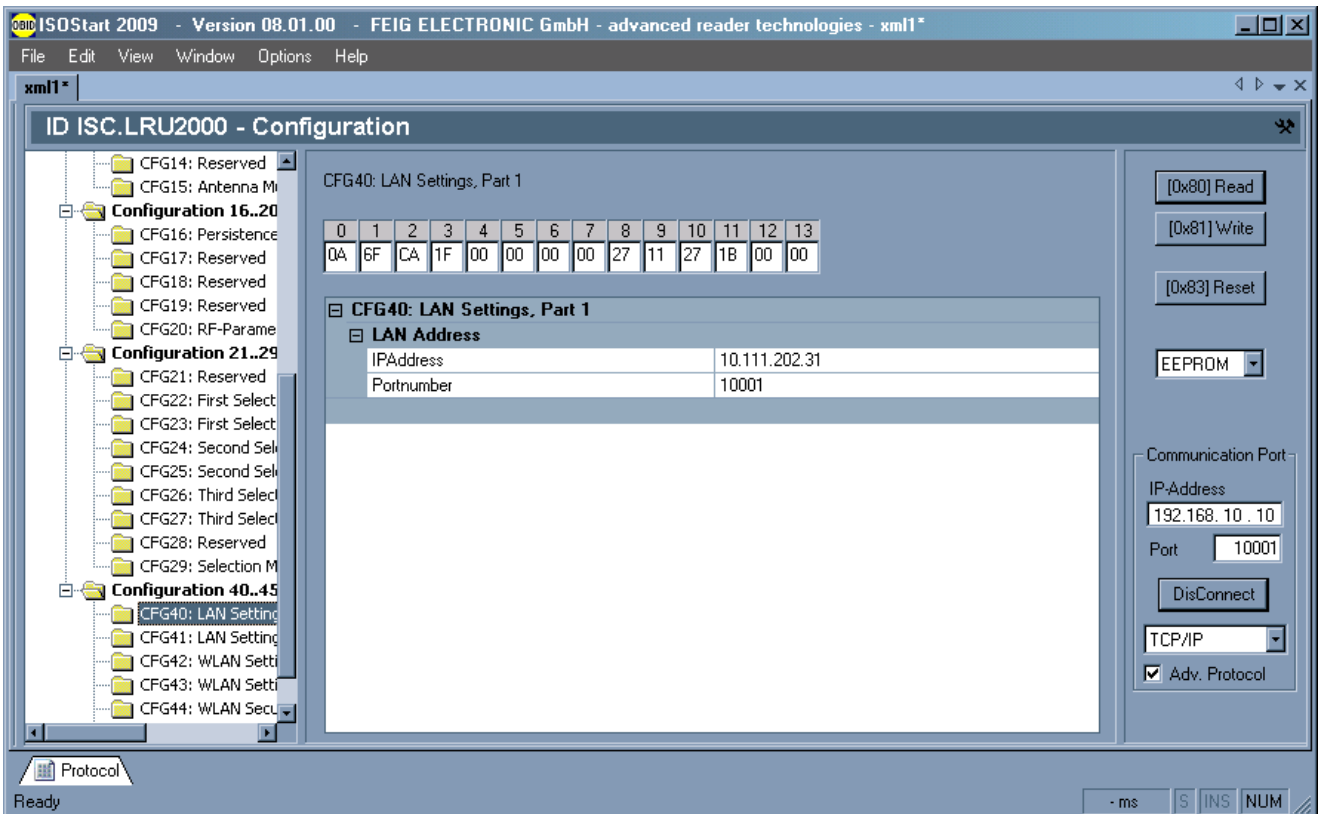
## 2.20. CFG27: Third Selection Mask EPC Class 1 Gen 2, Part 2 (not used)



## 2.21. CFG29: Selection Mask ISO 18000-6-B (not used)



## 2.22. CFG40: LAN Settings, Part 1



## 2.23. CFG41: LAN Settings, Part 2

The screenshot shows the configuration window for 'ID ISC.LRU2000 - Configuration'. The left sidebar lists various configuration folders, with 'CFG41: LAN Setting' selected. The main area displays 'CFG41: LAN Settings, Part 2' with a memory dump table and a configuration table.

0	1	2	3	4	5	6	7	8	9	10	11	12	13
FF	FF	FF	00	01	02	00	00	00	00	00	05	00	05

CFG41: LAN Settings, Part 2	
<b>Subnet Mask</b>	Subnet Mask
	255.255.255.0
<b>Gateway</b>	Default Gateway
	0.0.0.0
<b>Keepalive</b>	Enable Keepalive
	<input checked="" type="checkbox"/>
	Idle Time
	00005 s
	Intervall Time
	00005 s
	Number of Keepalive Probes
	002

On the right side, there are control buttons: [0x80] Read, [0x81] Write, [0x83] Reset, and an EEPROM dropdown menu. Below these is the 'Communication Port' section with IP-Address (192.168.10.10), Port (10001), DisConnect button, TCP/IP dropdown, and a checked 'Adv. Protocol' checkbox.

## 2.24. CFG42: WLAN Settings, Part 1 (not used)

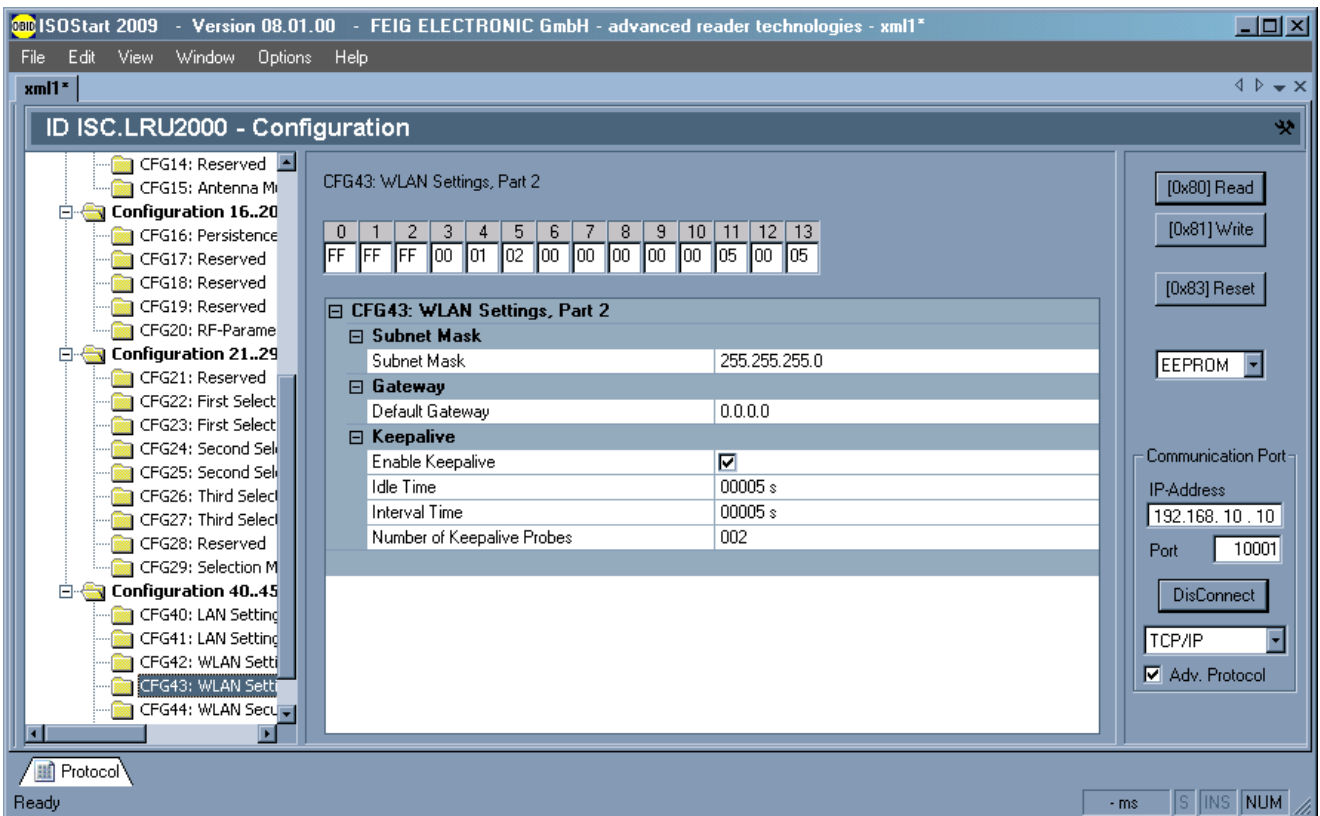
The screenshot shows the configuration window for 'ID ISC.LRU2000 - Configuration'. The left sidebar lists various configuration folders, with 'CFG42: WLAN Setting' selected. The main area displays 'CFG42: WLAN Settings, Part 1' with a memory dump table and a configuration table.

0	1	2	3	4	5	6	7	8	9	10	11	12	13
AC	A8	0A	0A	00	00	00	00	27	12	00	00	01	00

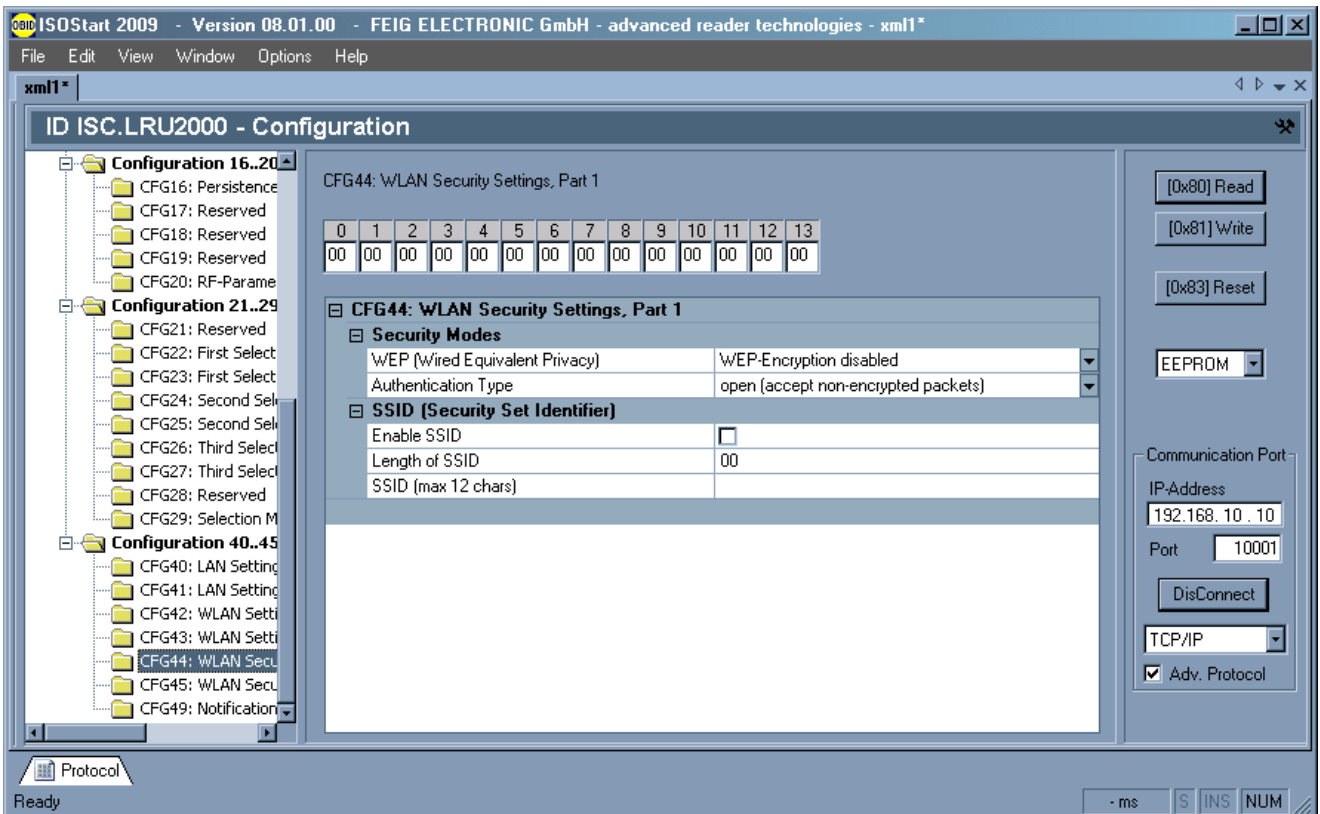
CFG42: WLAN Settings, Part 1	
<b>WLAN Address</b>	IPAddress
	172.168.10.10
	Portnumber
	10002
<b>Network Type</b>	Network Type
	network with Access Point
	Channel Number for Ad-hoc Network Type
	1

On the right side, there are control buttons: [0x80] Read, [0x81] Write, [0x83] Reset, and an EEPROM dropdown menu. Below these is the 'Communication Port' section with IP-Address (192.168.10.10), Port (10001), DisConnect button, TCP/IP dropdown, and a checked 'Adv. Protocol' checkbox.

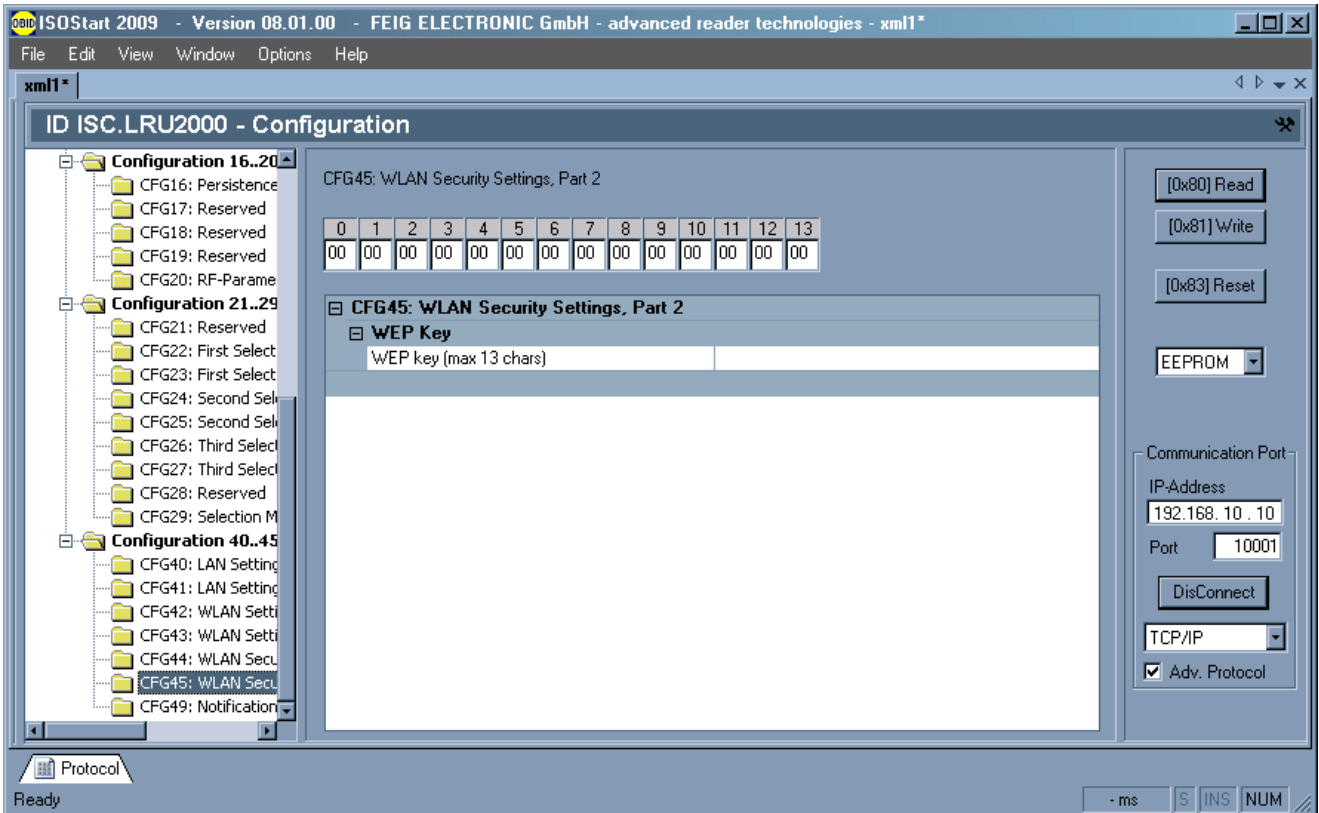
## 2.25. CFG43: WLAN Settings, Part 2 (not used)



## 2.26. CFG44: WLAN Security Settings, Part 1 (not used)



## 2.27. CFG45: WLAN Security Settings, Part 2 (not used)



## 2.28. CFG49: Notification Channel (not used)

