

Programmable Device Server User Manual

Version 0.0, Sep 2014



Service and usage information for

iDS-718i-D	Intelligent Device Server with 1 RS-232/422/485 (Isolated, RoHS, DB9)
iDS-718iM-D CR	Intelligent Device Server with 1 RS-232/422/485 (Isolated, Metal Case, RoHS, DB9)
iDS-728i-T CR	Intelligent Device Server with 2 RS-232/422/485 (Isolated, RoHS, Terminal block)
iDS-728iM-T CR	Intelligent Device Server with 2 RS-232/422/485 (Isolated, Metal Case, RoHS, Terminal block)

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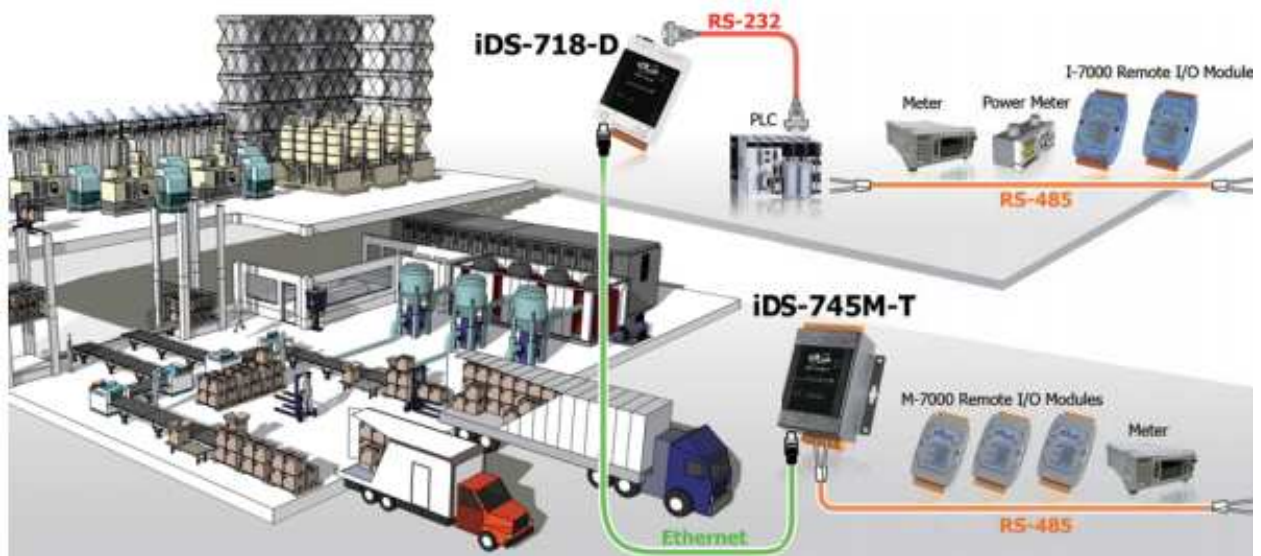
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1. Introduction



The iDS-700 Series is a new generation Device Server from ICP DAS and is equipped with a powerful CPU module running on the open operating system, various connectivity (Ethernet, micro SD and serial port) and communication interfaces. Compared with the previous generation PDS, not only the CPU performance is higher but also more features are improved such as 256 MB flash, 256 MB DDR3 memory, unique 64-bit hardware serial number, and real-time clock, etc. These make the iDS-700 becoming one of the most powerful system.

This device server is designed to add Ethernet and Internet connectivity to any RS-232 and RS-422/485 device, and to eliminate the cable length limitation of legacy serial communication, coupled with a large built-in RAM buffer, allows for fast transmission and prevents congestion of serial data on the network. Built-in powerful 720 MHz ARM-based processor offers excellent performance at low power consumption. The preloaded high-performance operating system is open, flexible, scalable and allows user to easily add or remove application/service from configuration mechanism.

1.1 Packing List

The package includes the following items:

- One (Programmable) Device Server hardware module
- One software utility CD
- One RS-232 console/download cable, CA-0903
- One Quick Start Guide

Note: If any of these items are missed or damaged, contact the local distributors for more information. Save the shipping materials and cartons in case you want to ship in the future.

1.2 Features

- Incorporate Serial Devices in an Ethernet network
- Virtual COM for 32-bit and 64-bit Windows XP/2003/Vista/7
- High-performance 720 MHz ARM-based Processor
- 256 MB DDR3 memory for data transmission and buffering
- Zero Data Loss
- UDP Support
- RFC2217 support
- Modem Emulator
- Open, Flexible and Scalable Platform
- SNMP Management Protocol

1.3 Specifications

Models	iDS-718i-D/iDS-718iM-D	iDS-728i-T/iDS-728iM-T
CPU Module		
CPU	32-bit RISC, 720Mhz	
RAM	256MB	
Flash	256MB	
Peripheral	microSD, RTC, Serial Number, Watchdog, Buzzer	

Communication Interface		
COM1	RS-232/422/485 (Isolate · 5-Wire)	RS-232/422/485 (5-Wire)
COM2	-	RS-232/422/485 (5-Wire)
COM3	-	-
COM4	-	-
Ethernet Port	10/100 Base-TX, RJ-45 port (Auto-negotiating, Auto MDI/MDI-X, LED indicators), PoE (IEEE 802.3af, Class 1)	
COM Port signals		
RS-232-3w	RxD, TxD and GND; isolated	
RS-232-5w	RxD, TxD, CTS, RTS and GND; isolated	
RS-422	TxD+, TxD-, RxD+, RxD-, GND; Isolated	
RS-485	D2+, D2-; Isolated;	
COM Port Formats		
Speed	921.6 Kbps Max.	
Data Bit	5, 6, 7, 8	
Parity	None, Even, Odd, Space, Mark	
Stop Bit	1, 1.5, 2	
Flow Control	RTS/CTS, XON/XOFF	
Pull High/Low Resistor	1kΩ default, 150kΩ (for RS-485)	
Software		
Protocols	ICMP, IPv4/v6, TCP, UDP, DHCP, BOOTP,SSH, FTP, SFTP, DNS, DDNS, SNMP V1/V2c/V3, HTTP, SMTP, ARP, PPPoE	
Configuration method	Web, Serial Console, SSH Console	
Virtual COM for Windows	Windows 2000, Windows XP/2003/Vista/2008/7/8 x86/x64, 2012 x64, XP Embedded	
Virtual COM for Linux	Linux kernel 2.4.x, 2.6.x, 3.8.x	
Management	SNMP MIB-II	
Operation Modes	Virtual COM, TCP Server, TCP Client, UDP, Pair Connection, RFC2217, Terminal, Reverse Telnet, TCP Modem, Modbus Gateway, Disabled	
Authentication Method	Local, RAIDUS, TACACS+	
Power Input		
ESD Protection	Yes (with Frame Ground)	
Protection	Power Reverse Polarity Protection	
Required Supply Voltage	PoE or +12VDC ~ +48 VDC (non-regulated)	
Power Consumption	3.5 W	
Mechanism		
Flammability	Fire Retardant Materials (UL94-V0 Level)	
Dimension (W x H x D)	76 mm x 123 mm x 42 mm	

Installation	DIN-Rail
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +80 °C
Humidity	5 ~ 90% RH, non-condensing

1.4 Ordering Information

iDS-718i-D	Intelligent Device Server with 1 RS-232/422/485 (Isolated, RoHS, DB9)
iDS-718iM-D CR	Intelligent Device Server with 1 RS-232/422/485 (Isolated, Metal Case, RoHS, DB9)
iDS-728i-T CR	Intelligent Device Server with 2 RS-232/422/485 (Isolated, RoHS, Terminal block)
iDS-728iM-T CR	Intelligent Device Server with 2 RS-232/422/485 (Isolated, Metal Case, RoHS, Terminal block)

1.5 Option Accessories

GPSU06U-6 CR	24 VDC/0.25 A, 6 W Power Supply
MDR-20-24 CR	24 VDC/1 A, 24 W Power Supply with DIN-R
DIN-KA52F-48 CR	48V/0.52A, 25 W Power Supply with DIN-Rail Mounting (RoHS, for NS-205PSE)
CA-0903	9-Pin Female D-Sub and RS-232 Connector Cable, 30 cm Cable
CA-0910	9-Pin Female D-Sub and 3-wire RS-232 Cable, 1 m Cable
NS-205 CR	Unmanaged 5-port Industrial Ethernet Switch (RoHS)
NS-205PSE CR	Unmanaged Ethernet Switch with 4 PoE Ports and 1 RJ-45 Uplink (RoHS)

2. Getting Started

2.2 Front View

2.2.1 iDS-700 Front View

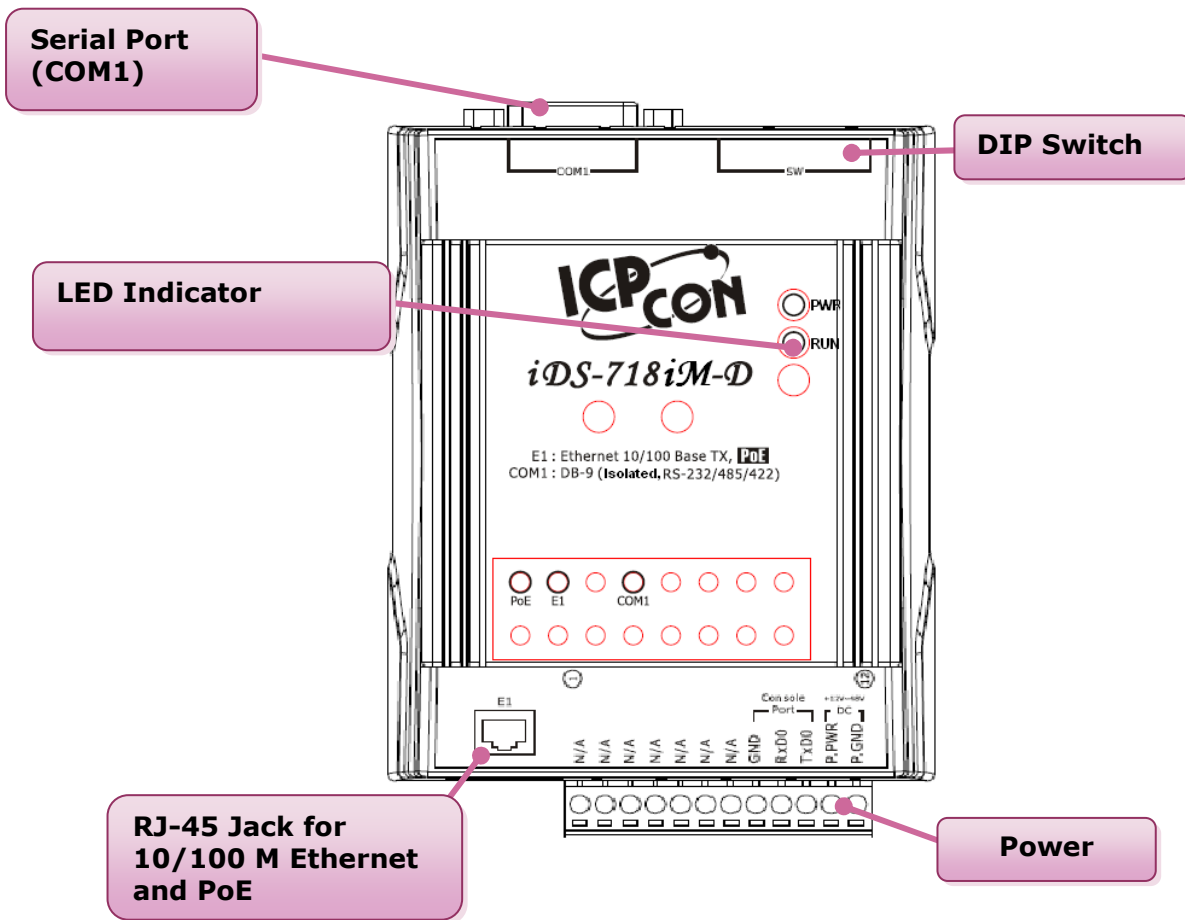


Fig 2-1

2.2.2 iDS-700 Rear View

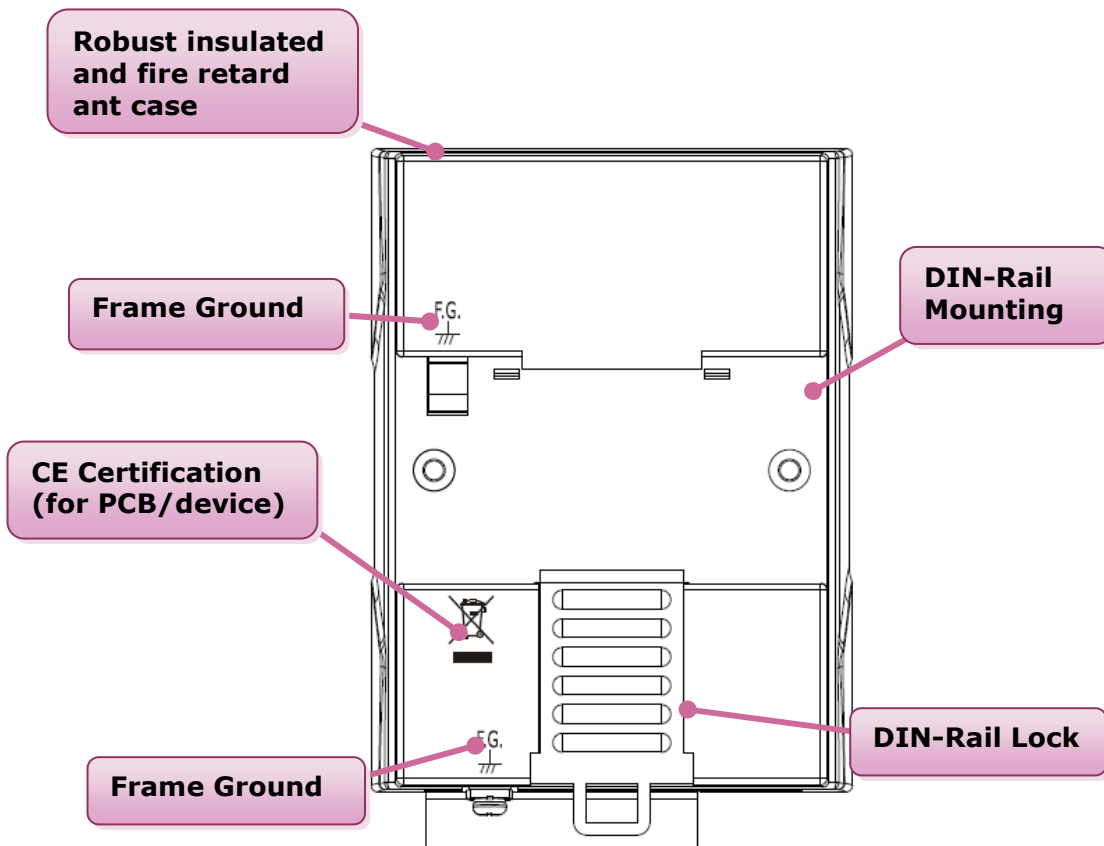


Fig 2-2

2.3 Dimensions and Mounting

■ iDS-700

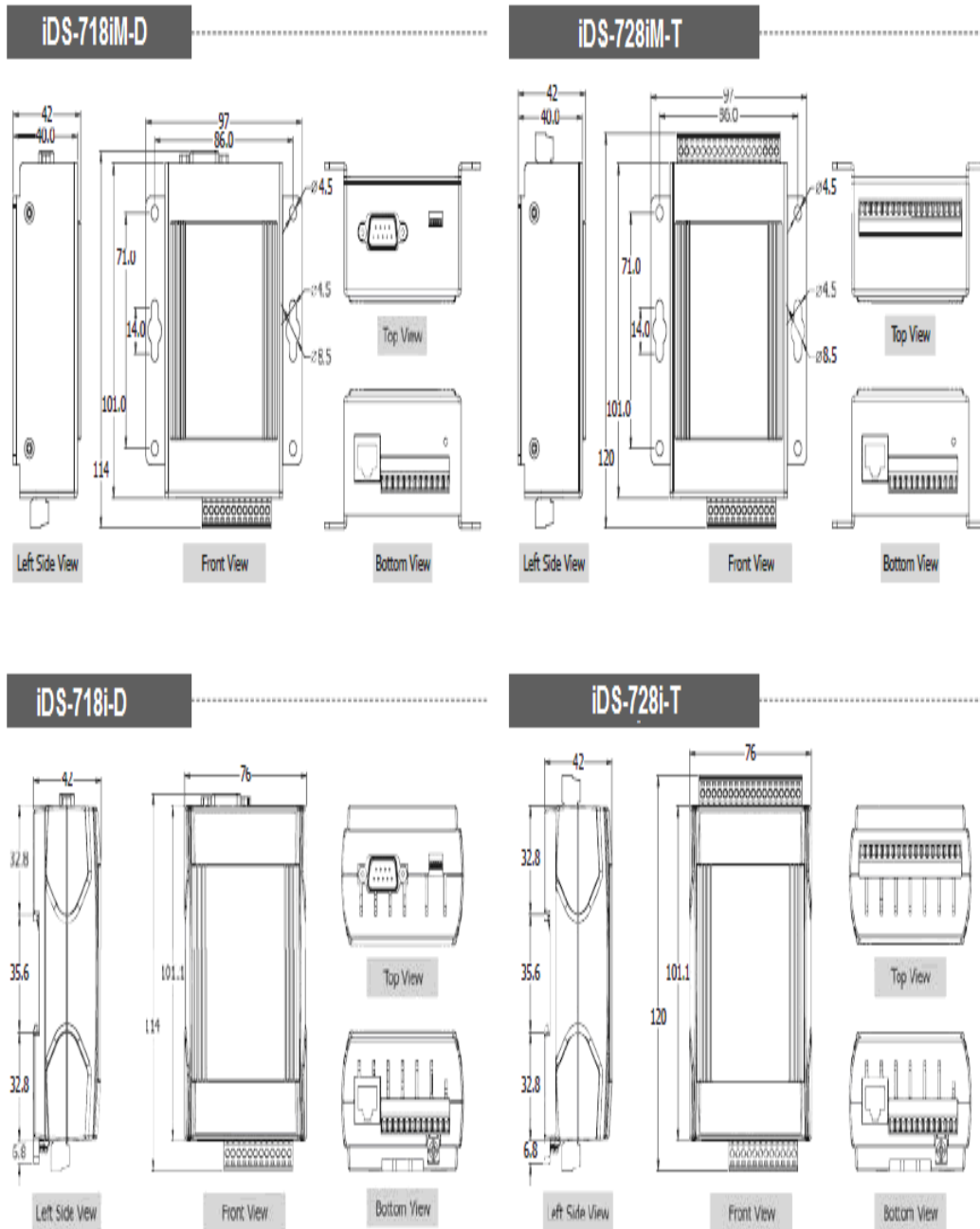


Fig 2-3

Unit: mm



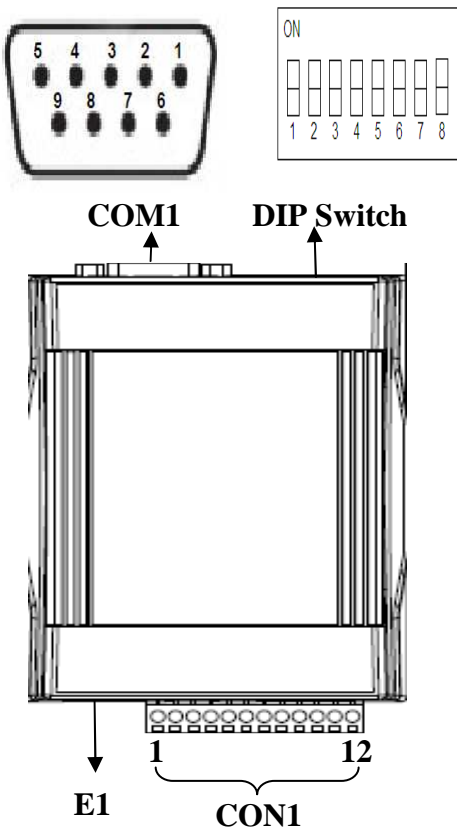
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2.4 Pin Assignment

2.4.1 iDS-718 Series



E1 & CON1(1 ~ 12)

Terminal NO	Pin Assignment
E1	
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
DC (12~48V)	11 P.PWR
	12 P.GND

Pull high/low resistors for the RS-422/RS-485 Port

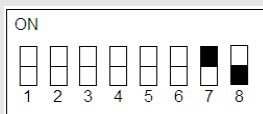
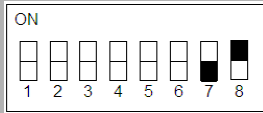
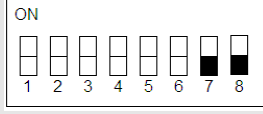
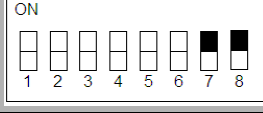
DIP Switch	1	2	3	4	5	6	7	8
	RS-485/RS-422				RS-485	RS-422	M1	M0
	Pull High/Low				Terminator			
ON	1 K Ω		1 K Ω		120 Ω	120 Ω	0	0
OFF	Default						1	1



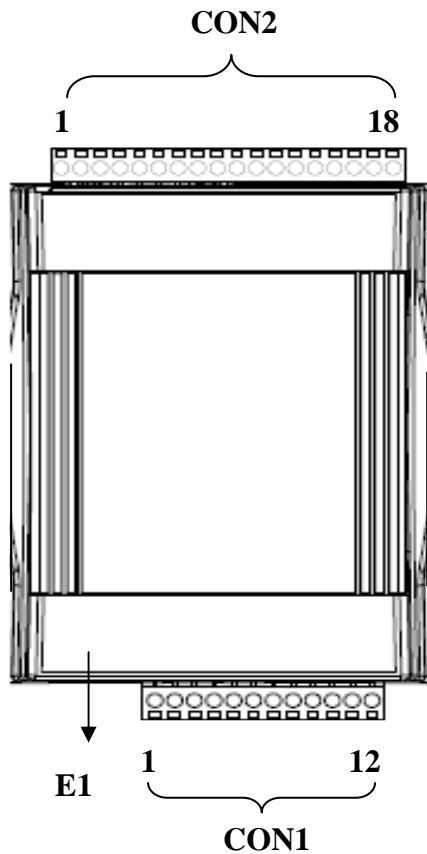
COM1 Pin Assignment

Pin	RS232	RS422	RS485
1	DCD	TXD-	Data-
2	RXD	TXD+	Data+
3	TXD	RXD+	-
4	DTR	RXD-	-
5	GND	GND	GND
6	DSR	-	-
7	RTS	-	-
8	CTS	-	-
9	RI	-	-

DIP Switch(COM1 Mode)

COM1	M1	M0	DIP Switch
RS232	ON	OFF	
RS422	OFF	ON	
RS485	OFF	OFF	
Software	ON	ON	

2.4.2 iDS-728 Series



E1 & CON1(1 ~ 12)

Terminal NO	Pin Assignment
E1	
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
DC (12V-48V)	11 P.PWR
	12 P.GND



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CON2(1 ~ 18)

Terminal NO	Pin Assignment	
COM2	1	RS-422_RxD2-
	2	RS-422_RxD2+
	3	RS-422_TxD2/D2-
	4	RS-422_TxD2/D2+
	5	RS-232_CTS2
	6	RS-232_RTS2
	7	RS-232_RxD2
	8	RS-232_TxD2
	9	GND2
COM1	10	RS-422_RxD1-
	11	RS-422_RxD1+
	12	RS-422_TxD1/D1-
	13	RS-422_TxD1/D1+
	14	RS-232_CTS1
	15	RS-232_RTS1
	16	RS-232_RxD1
	17	RS-232_TxD1
	18	GND1

2.5 LED Indicators

The iDS-700 contains three LED indicators..

LED Indicators	Color	Meaning
PWR	Red	Power is on
RUN	Green	OS is running
Ethernet	Green	Ethernet Cable is connecting

Table 2-1



2.6 Configuration Method

2.6.1 Factory Setting

1.default IP

IP : 192.168.255.1

NetMask : 255.255.255.0

Gateway : 192.168.255.254

Protocol : icpdas protocol

2.6.2 Setting IP Address

Using web browser (IE or Chrome) and typing the default IP (192.168.255.1) to connect to the iDS devices to set IP address(DHCP or Static). Please refer to the Fig 2-4、2-5:

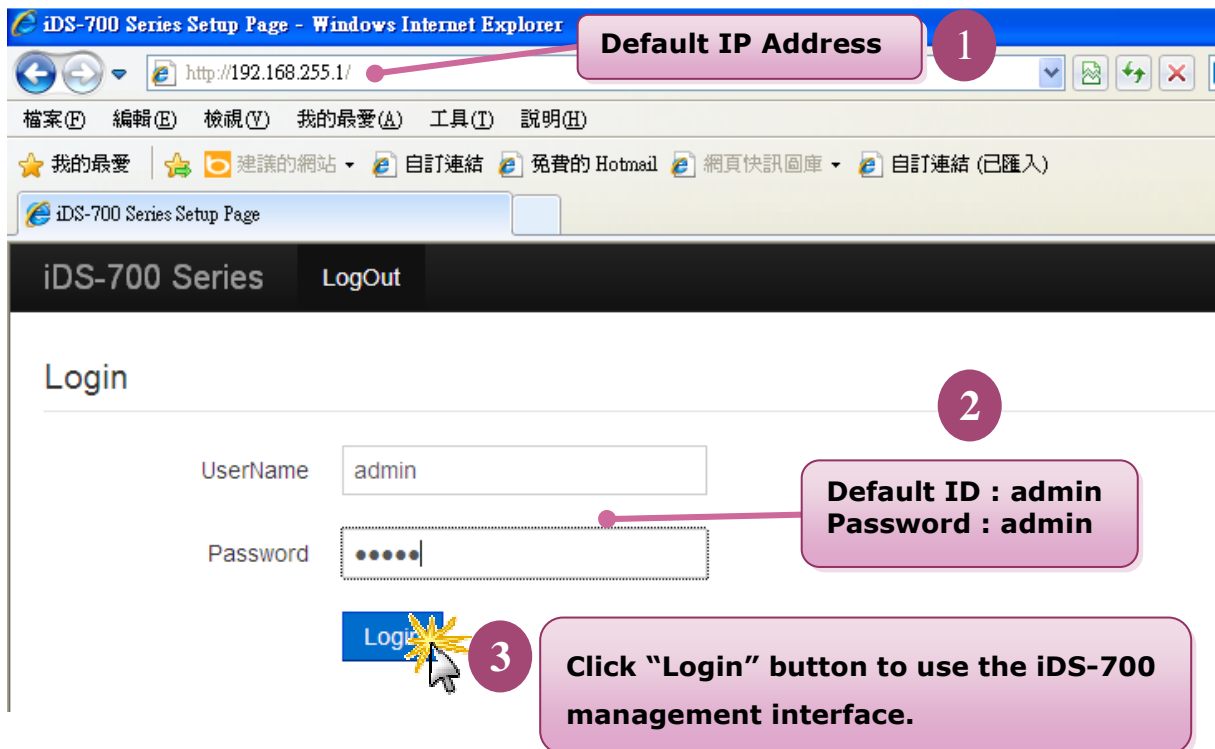


Fig 2-4 Login



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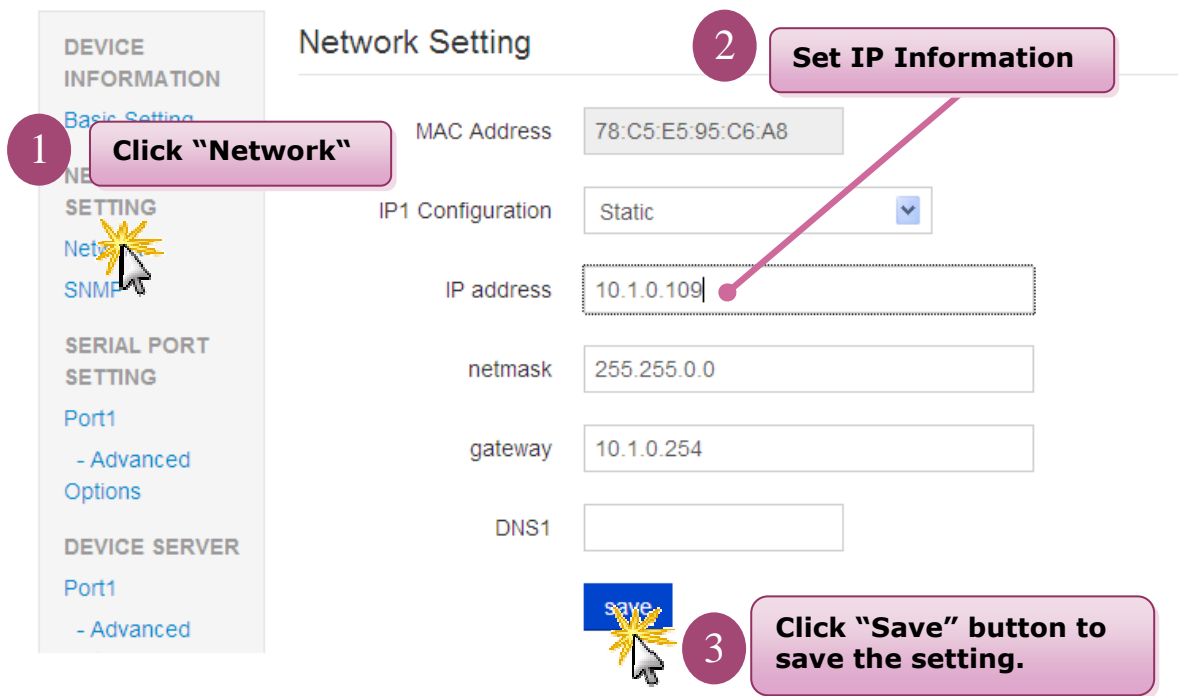
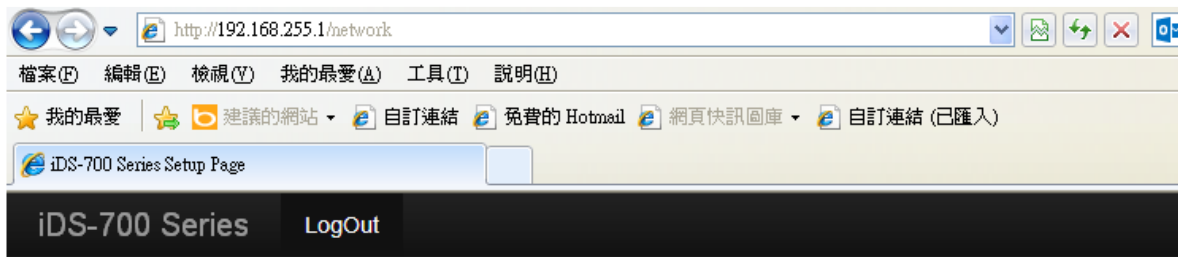


Fig 2-5 Network



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3. Web Management Interface

3.1 Web Browser

User can use the web browser(IE 8 or later version 、Chrome) to operate the iDS-700 series web management interface. User can input the IP address to connect to the “login” interface of iDS-700 device. Please refer to the Fig 3-1:

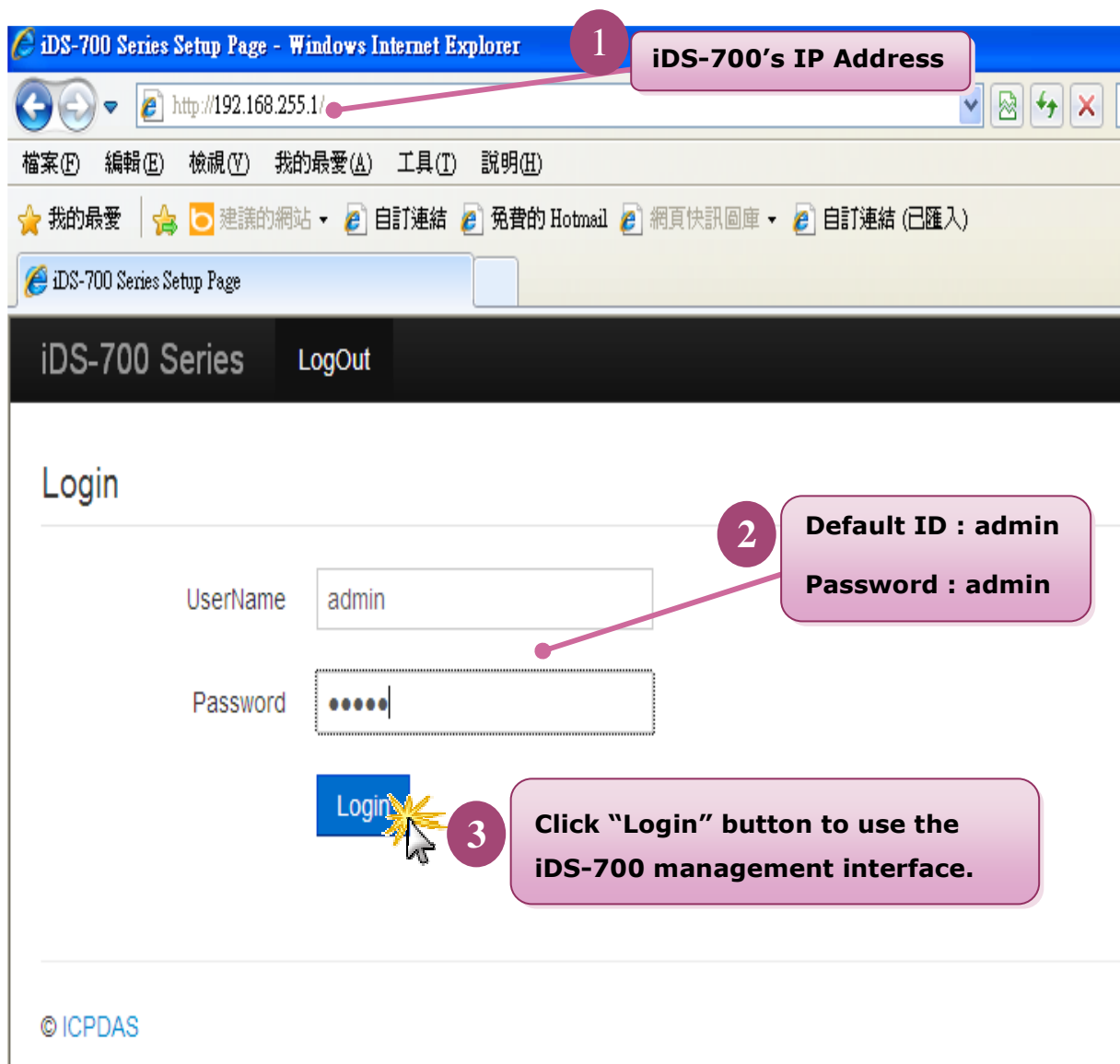


Fig 3-1 Login



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3.2 Initialize Setting

3.2.1 Basic Setting

Clicking the "Basic Setting" to set the iDS's hostname or enable/disable the function "UDP search"(the system default don't enable). Please refer to the Fig 3-2:

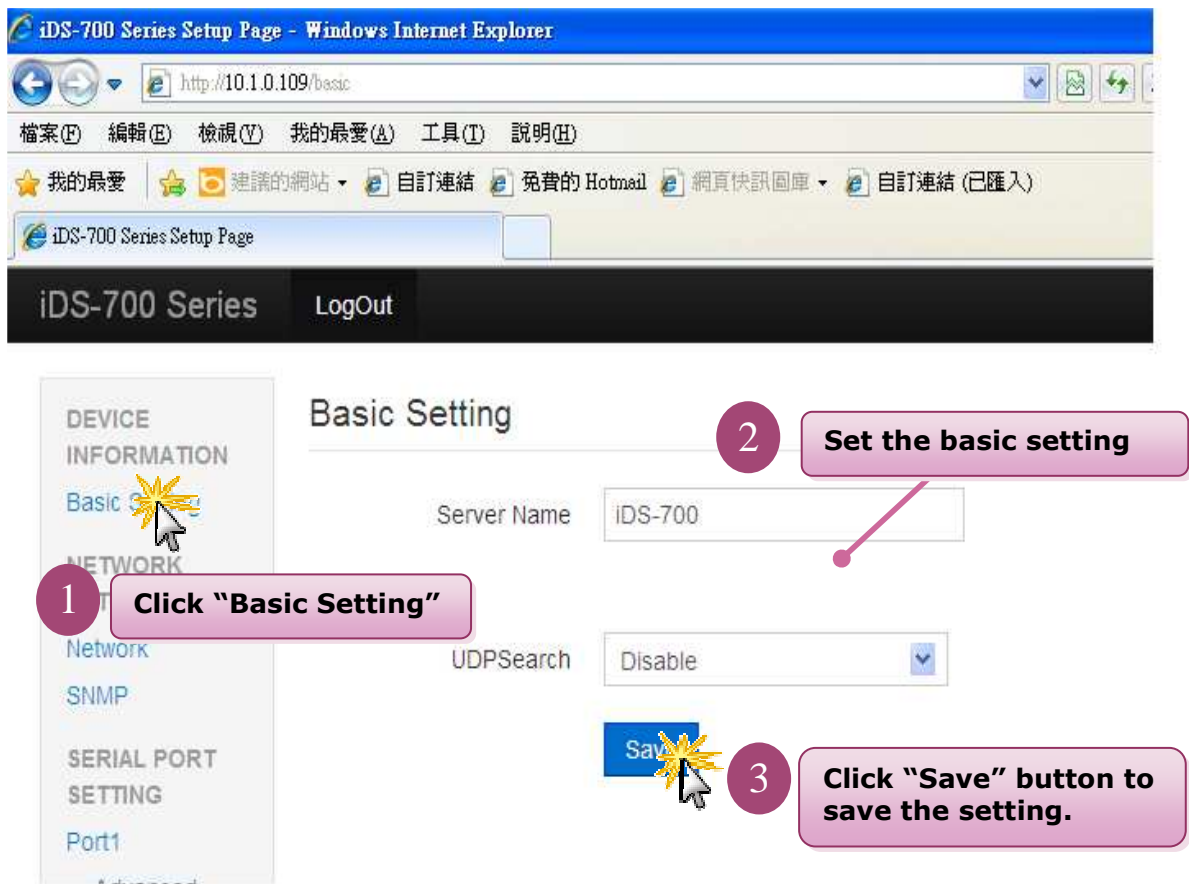


Fig 3-2 Basic Setting



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3.2.2 Network Setting

Clicking the "Network" to set the IP address. Please refer to the Fig 3-3:

The screenshot shows the iDS-700 Series Setup Page in a web browser. The browser address bar shows <http://192.168.255.1/network>. The page title is "iDS-700 Series Setup Page". The navigation bar includes "iDS-700 Series" and "LogOut".

The main content area is titled "Network Setting". On the left sidebar, under "DEVICE INFORMATION", the "Network" option is highlighted with a yellow starburst and a callout box labeled "1 Click 'Network'".

The main configuration area includes the following fields:

- MAC Address: 78:C5:E5:95:C6:A8
- IP Configuration: Static (selected from a dropdown menu, with a callout box labeled "2 Set IP Information" pointing to it)
- IP address: 10.1.0.109
- netmask: 255.255.0.0
- gateway: 10.1.0.254
- DNS1: (empty field)

At the bottom of the configuration area, there is a blue "save" button with a yellow starburst and a callout box labeled "3 Click 'Save' button to save the setting."

Fig 3-3 Network



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3.2.3 SNMP

Clicking the "SNMP" to set the SNMP Agent. Please refer to the Fig 3-4:

The screenshot shows the web interface for the iDS-700 Series. At the top, there is a navigation bar with "iDS-700 Series" and "LogOut". On the left, a sidebar menu lists various settings: "DEVICE INFORMATION", "Basic Setting", "NETWORK", "SERIAL PORT SETTING", and "DEVICE SERVER". A callout labeled "1" points to the "SNMP" option in the NETWORK section. The main content area is titled "SNMP Configuration" and contains three sections: "Agent", "SNMP V3 read only user", and "SNMP V3 read/rwrite only user". Each section has several input fields for configuration. A callout labeled "2" points to a button labeled "Set SNMP Configuration". At the bottom right, a callout labeled "3" points to a "Save" button.

1 Click "SNMP"

2 Set SNMP Configuration

3 Click "Save" button to save the setting.

Fig 3-4 SNMP



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3.2.4 Account/Password Table

Clicking the "Account/Password Table" to set the account information. Please refer to the Fig 3-5:

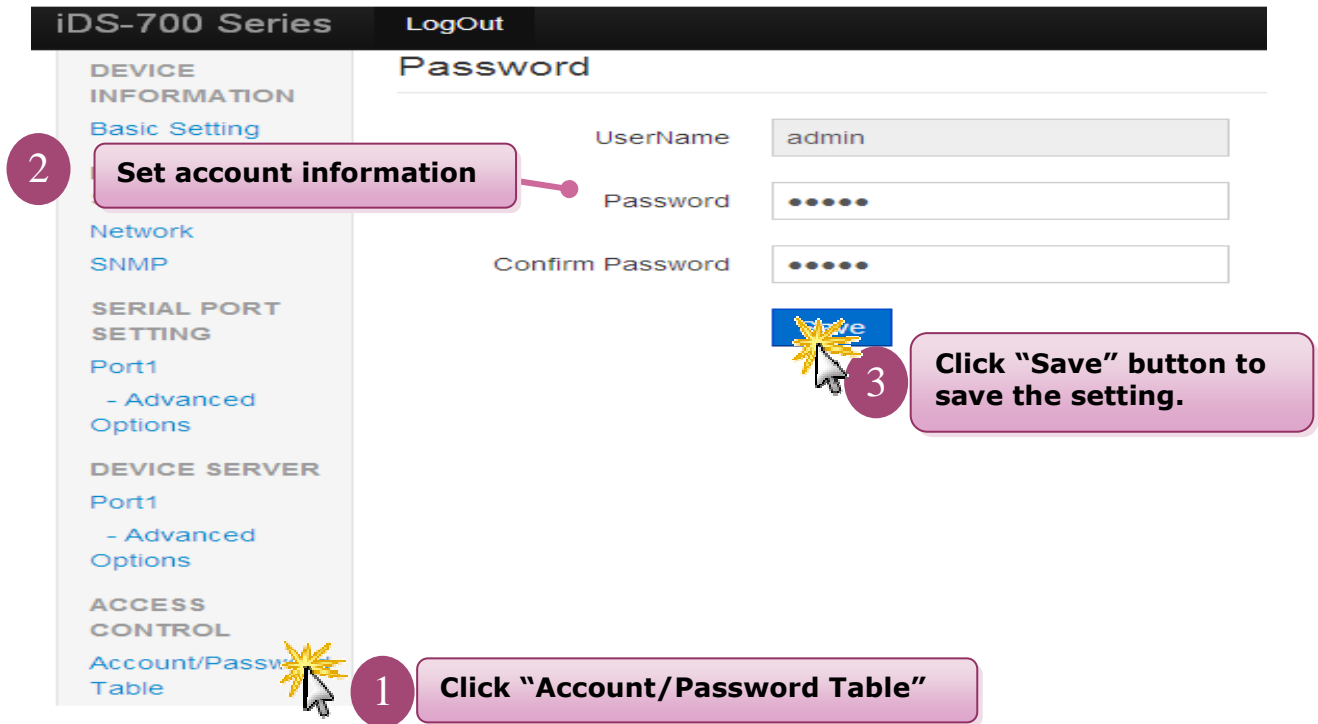


Fig 3-5 Account/Password Table



3.2.5 Accessible IP Table

Clicking the “Accessible IP Table” to enable/disable the rules of IP filter. Please refer to the Fig 3-6:

The screenshot displays the iDS-700 Series Setup Page. The left sidebar contains navigation options: ACCESS CONTROL, MONITOR, and EVENT NOTIFICATION. The main content area shows the "Accessible IP Table" with the following data:

No.	IP	Netmask	Status	Action
1			Disable	Edit
2			Disable	Edit
3			Disable	Edit
4				
5				
6				

An inset window titled "IP Filter" shows the configuration for "NO. 1". It includes a "Status" dropdown menu (currently set to "Disable"), "IP Address" and "Netmask" input fields, and "Save" and "Cancel" buttons. A mouse cursor is shown clicking the "Save" button.

Numbered callouts and arrows indicate the following steps:

1. Click "Accessible IP Table" in the sidebar.
2. Click "Edit" in the Action column of the table.
3. Enable/Disable IP filter in the Status dropdown.
4. Save or Cancel the rules.

Fig 3-6 Accessible IP Table



3.2.6 Monitor

Clicking the “Line/Async/Async Setting” to get the COM’s information. Please refer to the Fig 3-7、Fig 3-8:

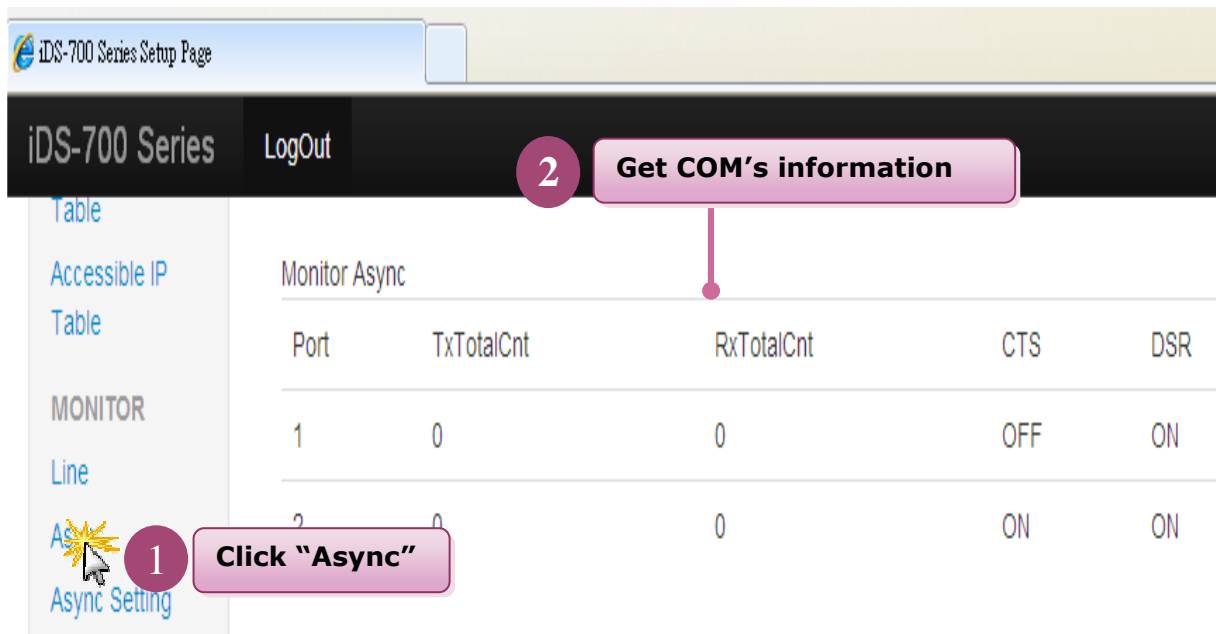


Fig 3-7 Async

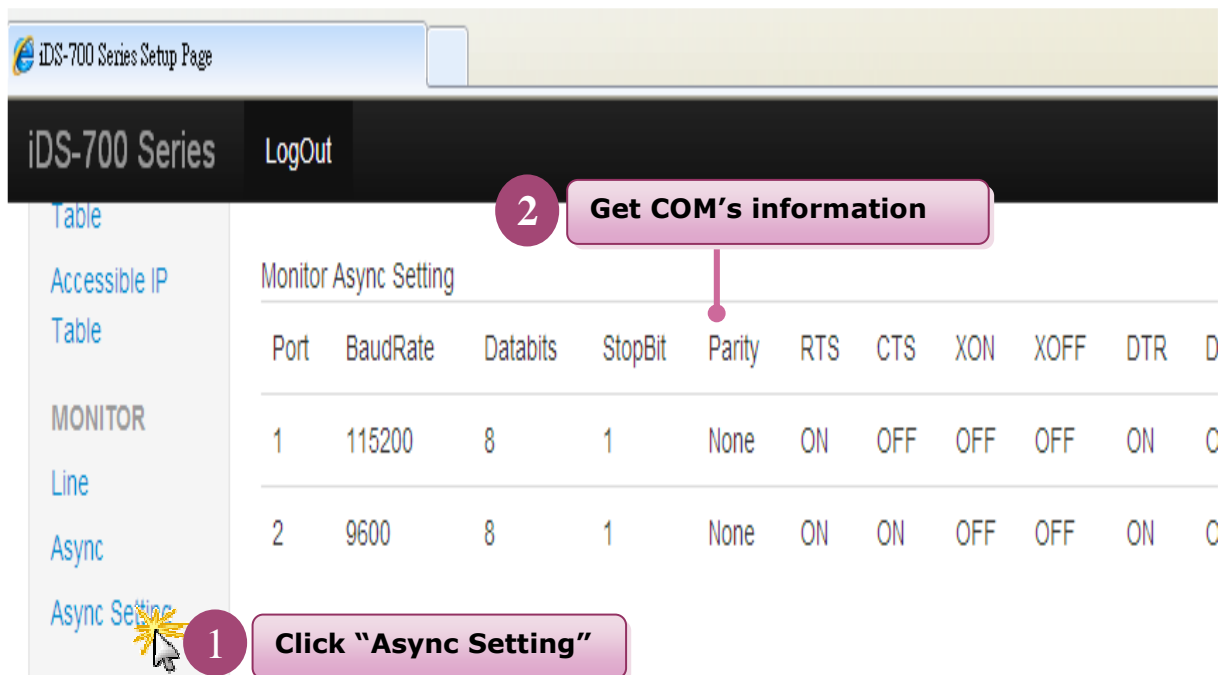


Fig 3-8 Async Setting



3.2.7 Event Notification

Clicking the "Events" and "Email/SNMP Trap" to set the function of events notification and inform the system administrator. Please refer to the Fig 3-9、Fig 3-10:

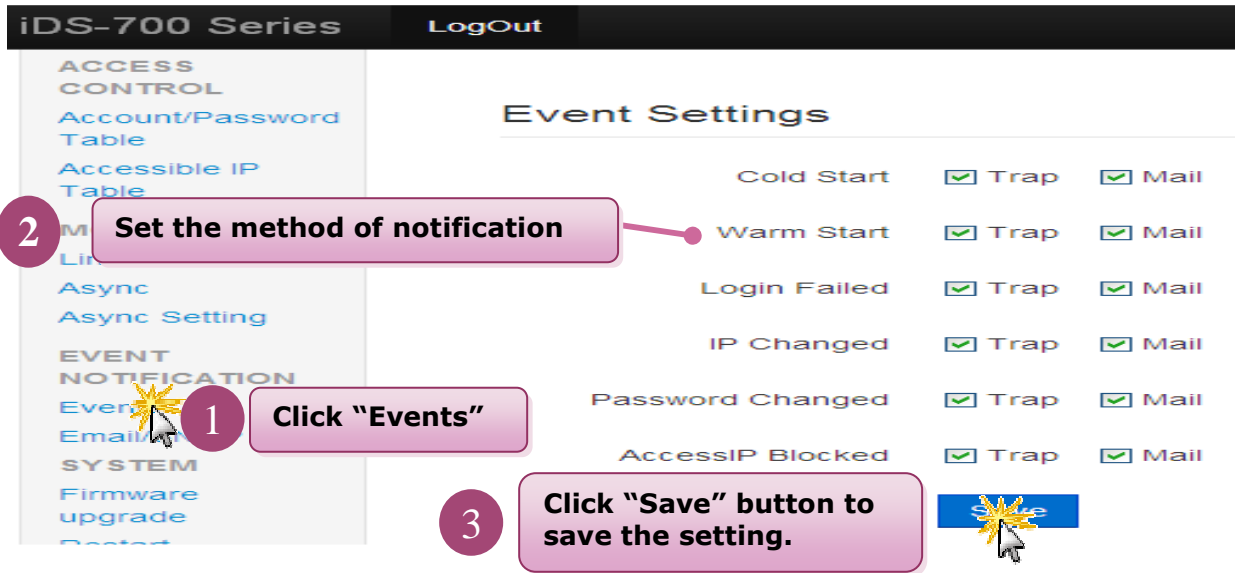


Fig 3-9 Events

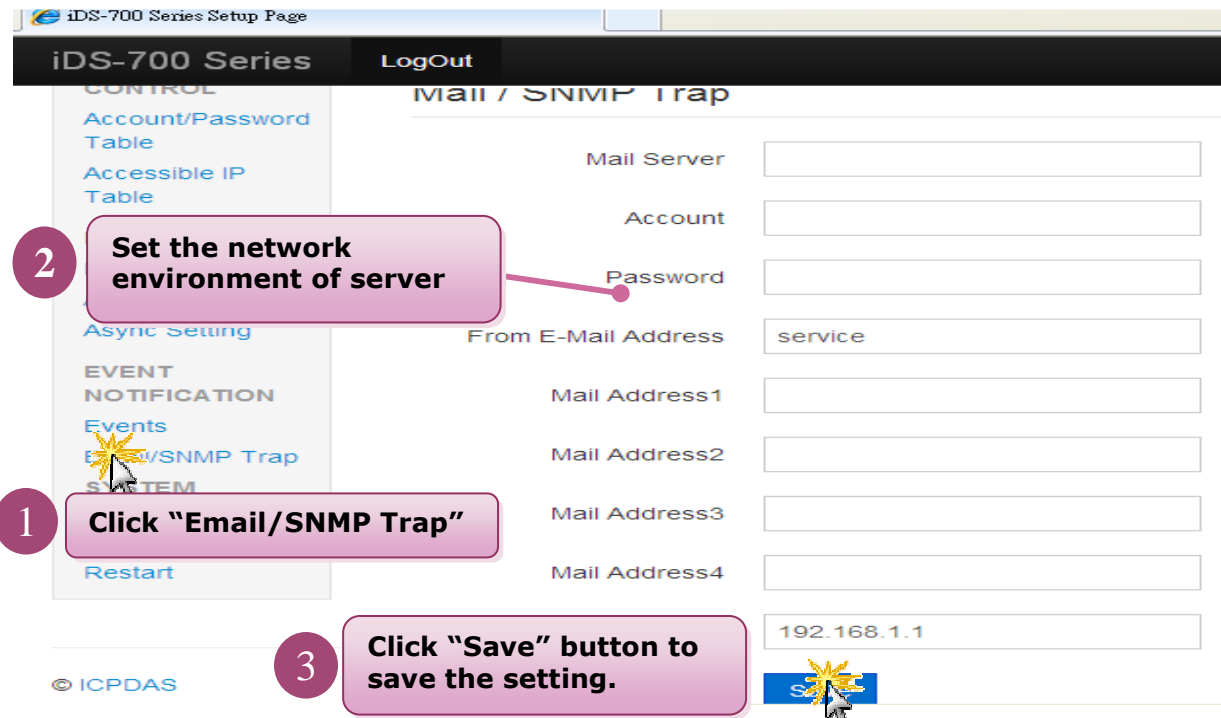


Fig 3-10 Email/SNMP Trap



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3.2.8 Firmware Upgrade

Clicking the "Firmware upgrade" to update the iDS's firmware. Please refer to the Fig 3-11:

The screenshot displays the web management interface for the iDS-700 Series. The top navigation bar includes 'iDS-700 Series' and 'LogOut'. A left-hand menu lists various system functions under categories: ACCESS CONTROL (Account/Password Table, Accessible IP Table), MONITOR (Line, Async, Async Setting), EVENT NOTIFICATION (Events, Email/SNMP Trap), and SYSTEM (Firmware upgrade, Restart). The main content area is titled 'Firmware Upgrade' and contains a 'Firmware' text input field, an 'Upload' button, and a file selection icon. Three numbered callouts provide instructions: 1. Click 'Firmware upgrade' in the menu. 2. Choose the icpdas's firmware package. 3. Click the 'Upload' button.

Fig 3-11 Firmware upgrade



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3.2.9 Restart

Clicking the "Restart" to reboot the iDS-700 module. Please refer to the Fig 3-12:

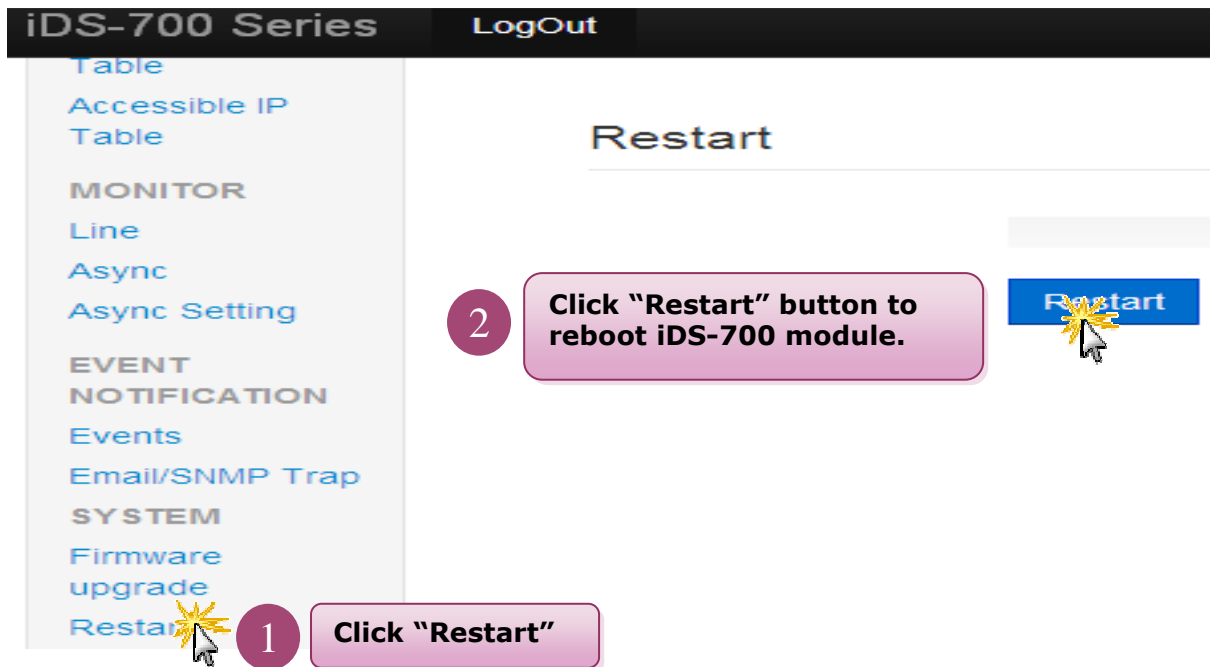


Fig 3-12 Restart



4. Serial Port Operation Modes

4.1 Serial Port Basic Setting

Clicking the SERIAL PORT SETTING "Port1" to set the serial port's basic configuration or click the SERIAL PORT SETTING "Advanced Options" to set the serial port's modem control and command setting. Please refer to the Fig 4-1 · Fig 4-2:

The screenshot shows the iDS-700 Series web interface. The top navigation bar includes "iDS-700 Series" and "LogOut". The left sidebar menu is organized into sections: "DEVICE INFORMATION" (Basic Setting), "NETWORK SETTING" (Network), "SERIAL PORT SETTING" (Port1, - Advanced Options, Port2, - Advanced Options), and "DEVICE SERVER" (Port1, - Advanced Options, Port2). The main content area is titled "Serial Port" and shows "Com Port 1" selected. Below this, there are three sections: "Port Configuration" with a "Set Port's Configuration" button, "Communication Parameters" with fields for Alias (Port1), Physical Interface (RS232), Flow Control (NONE), Baudrate (115200), DataBit (8), Parity (None), and StopBit (1). Three numbered callouts are present: 1. A pink box with a cursor pointing to "Port1" in the menu, labeled "Click 'Port1'". 2. A pink box with a cursor pointing to the "Set Port's Configuration" button, labeled "Set Port's Configuration". 3. A pink box with a cursor pointing to a "Save" button (partially visible), labeled "Click 'Save' button to save the setting."

Fig 4-1 Port1



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Advanced Options

Com Port 1

2 Set Port's Advanced Options

Modem Control

RTS Control

DTR Control

Command Sets

Communication Parameters

Flush Data

1 Click Port1's Advanced Options

3 Click "Save" button to save the setting.

Fig 4-2 Port1's Advanced Option

4.2 Virtual COM

4.2.1 Installing Virtual COM Utility

Please install VxComm Utility(v 2.12.07 or later version), the software can download from below web link: http://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm_driver/

4.2.2 Network Setting

Please refer to chapter "3.2.2" to set network environment of iDS-700 modules.

4.2.3 Configuring Virtual COM Ports

Please refer to below steps to set and use the virtual COM ports.

1. Double click the **VxComm Utility** shortcut on the desktop.
2. Click the **"Add Server[s]"** button to connect to the iDS-700, then user assign a COM Port number and click **"OK"** to save your settings, please refer to Fig 4-3.

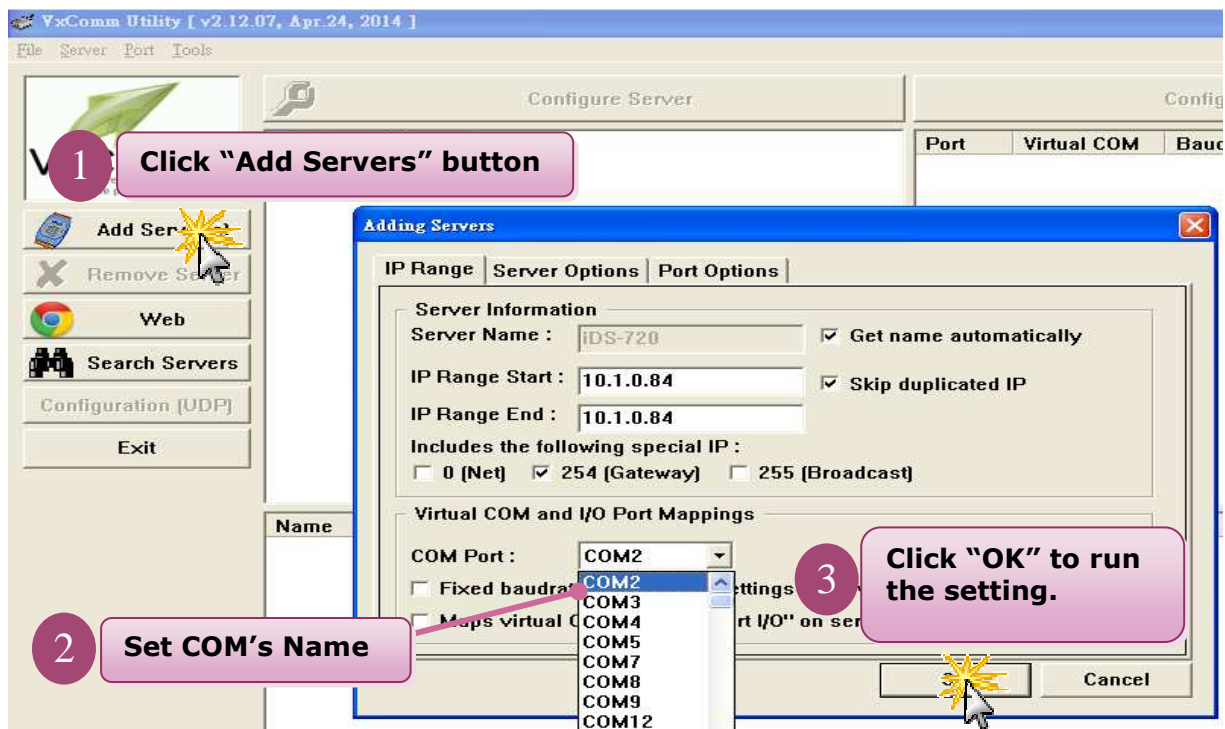


Fig 4-3



3. Click on **iDS-700's name** and check the virtual COM port mappings on the PC, please refer to Fig 4-4.

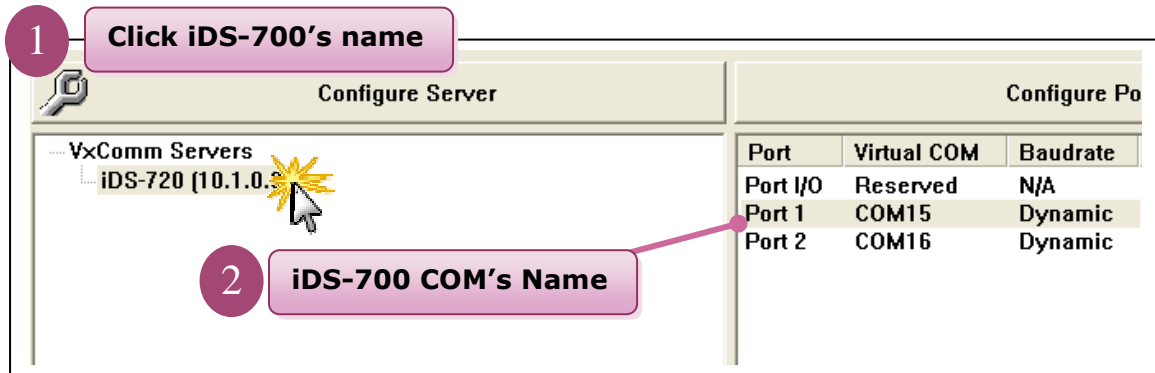


Fig 4-4

4. Click "**Tools**" >> "**Restart Driver**", and then click the "**Restart Driver**" button, please refer to Fig 4-5.

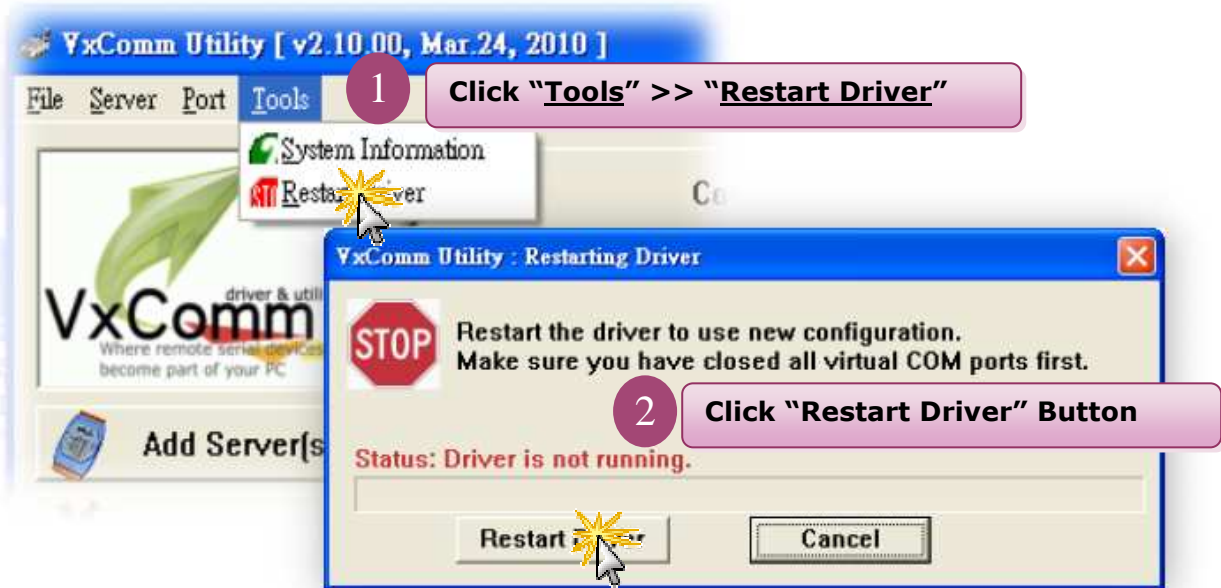


Fig 4-5

4.3 Socket Modes

4.3.1 TCP Server

To click **"DEVICE SERVER" >> "Port1"** to choose **"TCP Server"** mode, please refer to Fig 4-6. **After user had saved the setting, user must reboot iDS modules(please refer to the chapter "3.2.9 restart")**.

The screenshot displays the 'Operation mode setting' page for 'Com Port 1'. The left sidebar contains the following menu items: DEVICE INFORMATION (Basic Setting), NETWORK SETTING (Network, SNMP), SERIAL PORT SETTING (Port1 - Advanced Options, Port2 - Advanced Options), and DEVICE SERVER (Port1 - Advanced Options, Port2). The main content area is titled 'Operation mode setting' and includes a 'Com Port 1' header. Under 'Applications', the 'Protocol' dropdown is set to 'TCP Server'. Under 'Server Options', the 'Session' dropdown is set to 'Multi-Session' and the 'Data Port' is '10001'. Under 'Multi-Session', there is an unchecked checkbox for 'Time Division Multi-Session' and a 'Reply Mode' dropdown set to 'Broadcast To ALL'. At the bottom, there is a 'Save' button. Four numbered callouts provide instructions: 1. Click 'Port1' in the sidebar; 2. Choose 'TCP Server' in the Protocol dropdown; 3. Set 'Server Options' (Session and Data Port); 4. Click the 'Save' button to save the setting.

Fig 4-6 TCP Server Mode



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4.3.2 TCP Client

To click **"DEVICE SERVER" >> "Port1"** to choose **"TCP Client"** mode, please refer to Fig 4-7. **After user had saved the setting, user must reboot iDS modules (please refer to the chapter "3.2.9 restart")**.

The screenshot shows the configuration page for 'Com Port 1' in the iDS-700 Series web interface. The interface is divided into several sections:

- Applications:** A dropdown menu is set to 'TCP Client'.
- Client Options:** The 'Data Port' is set to '15000'.
- Multi-Session:** There is an unchecked checkbox for 'Time Division Multi-Session'. Below it, there are four session configuration rows (Session1 to Session4). Each row has fields for 'IP', 'Data Port', and 'Local Port'.
 - Session1: IP is '10.1.0.67', Data Port is '18000', and Local Port is '15000'.
 - Session2: IP is empty, Data Port is '0', and Local Port is '0'.
 - Session3: IP is empty, Data Port is '0', and Local Port is '0'.
 - Session4: IP is empty, Data Port is '0', and Local Port is '0'.
- Buttons:** A 'Save' button is located at the bottom of the page.

Numbered callouts (1-6) provide step-by-step instructions for configuring the TCP Client mode.

Fig 4-7 TCP Client Mode



4.3.3 UDP

To click **"DEVICE SERVER" >> "Port1"** to choose **"UDP"** mode, please refer to Fig 4-8. **After user had saved the setting, user must reboot iDS modules(please refer to the chapter "3.2.9 restart")**.

The screenshot displays the configuration page for 'Com Port 1' on an iDS-700 Series device. The interface is divided into a sidebar and a main content area. The sidebar contains navigation menus for 'SETTING', 'SERIAL PORT SETTING', 'DEVICE SERVER', 'ACCESS CONTROL', and 'Account/Password'. The main content area is titled 'Com Port 1' and includes the following sections:

- Applications:** A dropdown menu for 'Protocol' is set to 'UDP'.
- UDP Option:** A text input field for 'Local Port' is set to '11000'.
- Multi-Session:** A checkbox for 'Time Division Multi-Session' is unchecked. Below it, there are four session configurations:
 - Session1:** 'Reply Mode' is 'Broadcast To ALL'. 'Remote Address' is '10.1.0.67', 'Local Port' is '11000', and 'Data Port' is '18000'.
 - Session2:** 'Remote Address' and 'Local Port' fields are empty.
 - Session3:** 'Remote Address' and 'Local Port' fields are empty. 'Data Port' is '0'.
 - Session4:** 'Remote Address' and 'Local Port' fields are empty. 'Data Port' is '0'.

At the bottom of the page, there is a 'Save' button. The interface is annotated with six numbered callouts (1-6) in pink boxes with arrows pointing to the corresponding UI elements.

Fig 4-8 UDP Mode



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4.4 Pair Connection

4.4.1 Pair Connection Server

To click **"DEVICE SERVER" >> "Port1"** to choose **"Pair Connection"** mode, please refer to Fig 4-9. **After user had saved the setting, user must reboot iDS modules(please refer to the chapter "3.2.9 restart")**.

The screenshot shows the 'iDS-700 Series' web interface. The top navigation bar includes 'iDS-700 Series' and 'LogOut'. The left sidebar contains the following menu items: 'DEVICE INFORMATION', 'Basic Setting', 'NETWORK SETTING', 'Network', 'SNMP', 'SERIAL PORT SETTING', 'Port1', '- Advanced Options', 'Port2', '- Advanced Options', and 'DEVICE SERVER'. The 'Port1' item is highlighted with a yellow starburst and a callout '1 Click "Port1"'. The main content area is titled 'Operation mode setting' and shows 'Com Port 1' configuration. It includes a 'Applications' dropdown set to 'Pair Connection' (callout '2 Choose "Pair Connection"'), an 'Options' section with a 'Role' dropdown set to 'Server' (callout '3 Choose "Server"'), and a 'Pair Connect Server' section with a 'Local Port' input field containing '15000' (callout '4 Set Port Number'). A 'Save' button is visible at the bottom, with a callout '5 Click "Save" button to save the setting.'

Fig 4-9 Pair Connection Server



4.4.2 Pair Connection Client

To click **"DEVICE SERVER" >> "Port1"** to choose **"Pair Connection"** mode, please refer to Fig 4-10. **After user had saved the setting, user must reboot iDS modules (please refer to the chapter "3.2.9 restart")**.

The screenshot shows the web interface for the iDS-700 Series. The top navigation bar includes 'iDS-700 Series' and 'LogOut'. The left sidebar contains a menu with categories: 'DEVICE INFORMATION' (Basic Setting), 'NETWORK SETTING' (Network, SNMP), 'SERIAL PORT SETTING' (Port1, - Advanced Options), and 'DEVICE SERVER' (Port2, - Advanced Options). The main content area is titled 'Operation mode setting' and shows 'Com Port 1' selected. Under the 'Applications' section, the 'Protocol' dropdown is set to 'Pair Connection'. Under the 'Options' section, the 'Role' dropdown is set to 'Client'. The 'Pair Connect Client' section contains input fields for 'Remote Address' (10.1.0.67), 'Data Port' (15000), and 'Local Port' (11000). A 'Save' button is located at the bottom. Six numbered callouts provide instructions: 1. Click 'Port1' in the sidebar; 2. Choose 'Pair Connection' in the Protocol dropdown; 3. Choose 'Client' in the Role dropdown; 4. Set Pair Connection server's IP and port number; 5. Set Pair Connection client's port number; 6. Click 'Save' button to save the setting.

Fig 4-10 Pair Connection Client



4.5 RFC2217

To click **"DEVICE SERVER" >> "Port1"** to choose **"RFC-2217"** mode, please refer to Fig 4-10. **After user had saved the setting, user must reboot iDS modules(please refer to the chapter "3.2.9 restart")**.

iDS-700 Series LogOut

DEVICE INFORMATION

Basic Setting

NETWORK SETTING

Network

SNMP

SERIAL PORT SETTING

Port1

- Advanced Options

Port2

- Advanced Options

DEVICE SERVER

Port1

Advanced Options

Operation mode setting

Com Port 1

Applications

Protocol RFC-2217

Options

Local Port 11000

Save

1 Click "Port1"

2 Choose "RFC-2217"

3 Set iDS's port number

4 Click "Save" button to save the setting.

Fig 4-10

4.6 Ethernet Modem

To click **"DEVICE SERVER" >> "Port1"** to choose **"Ethernet Modem"** mode, please refer to Fig 4-11. **After user had saved the setting, user must reboot iDS modules (please refer to the chapter "3.2.9 restart")**.

iDS-700 Series LogOut

DEVICES INFORMATION

Basic Setting

NETWORK SETTING

Network

SNMP

SERIAL PORT SETTING

Port1

- Advanced Options

Port2

- Advanced Options

DEVICE SERVER

Port1

Advanced Options

Operation mode setting

Com Port 1

Applications

2 Choose "Ethernet Modem"

Protocol Ethernet Modem

Options

3 Set iDS's Dial-in port number

Dial-in 15000

4 Set iDS's Dial-Out port number

Dial-out 11000

5 Click "Save" button to save the setting.

1 Click "Port1"

Fig 4-11 Ethernet Modem

