App Notes FC6A FTP Server Configuration

1. In WindLDR Configuration tab, click Ethernet Port 1.

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|-------------|----------------------|---------------------|------------------|------------------------|----------------|--------------------|--------------------|-----------------------|--------------------|---------------------|--------------------|--------------------|--------------------------------|-------------------|-------------------|
| - | Home C | onfiguration | Online | e View | | | | | | | | | | | |
| | Ç | | | H۲ | | | | | | 31 | 50 | | - | 2 | 1 |
| PLC Type | Expansion Modules | Run/Stop Control | Memory Backup | Input Configuration | Comm. Ports | External Memory | Device Settings | Program Protection | Self Diagnostic | Calendar & Clock | Ethernet Port 1 | Ethernet Port 2 | Connection Settings | Access Control | Config uration |
| | PLCs | | | | | | Func | tion Area Se | ttings | | - | | | | SD Card |
| Property | | | _ | д × | 📄 Ma | in Progra | m 🕼 | lodule Confi | guration 🥐 | A | | | | | t Port 1 Settings |
| | | | | | Rung | | 1 | | | | | | tion Area Se ort 1 Settings | | og and select |

2. Under IP Settings, configure your FC6A-D* CPU IP address. Note: In this example, we'll use IP address 192.168.106.116

| Function Area Settings | | | |
|-----------------------------------|--------------------------------|-------------------------|---|
| Run/Stop Control Memory Backup | Configure the ethernet port | 1 settings. | |
| Input Configuration | IP Settings | | |
| Communication Ports | Obtain an IP Address automat | tically (DHCP) | = |
| External Memory Devices | Use special data register to c | onfigure the IP address | |
| Device Settings | Use the following IP address: | | |
| Program Protection | IP Address: | 192 . 168 . 104 . 116 | |
| Self Diagnostic | Subnet Mask: | 255.255.255.0 | |
| Calendar & Clock | Default gateway: | 0.0.0.0 | |
| Ethernet Port 1 | DNS Settings | | |
| Ethernet Port 2 | DN3 Settings | | |

- 3. Scroll to the bottom until you see FTP Client and Server Settings.
- 4. Uncheck FTP Client Settings.

| FT | ^o Client | Settings | | | | |
|----|---------------------|------------|-------------|-------------------|-----------|--|
| | Enable | FTP Client | | | | |
| | No. | Source | Destination | Files to transfer | ^ | |
| | 1 | | | | Configure | |

5. Check Enable FTP Server and click the Configure button.

| TP Server Setting | | |
|-------------------|---|-----------|
| | 15 min accounts to access FTP Serve : Configure ecure connection (SSL) to connect | |
| | | OK Cancel |



6. Click **FTP Server** tab, check the Read/Write permission, and click the **New User** button.

| User Account Settings | 5 | x |
|---------------------------------|--|------------|
| | General Web Serve FTP Server Access from App Allow access to FTP server Permission: Read Only Read/Write | |
| <u>N</u> ew User <u>D</u> elete | OK Cance | e l |

7. Enter the User Name and Password.

| Note: In this exa | mple, we'll use the following |
|-------------------|-------------------------------|
| User Name: | idecusa |

| assword: 1decusa | | | | | | |
|---------------------------------|---------|------------|------------|-----------------|----|--------|
| User Account Settings | | | | | | ? × |
| idecusa | General | Web Server | FTP Server | Access from App | | |
| | UserNa | me: | idecusa | | | |
| | Passwor | d: | ****** | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| <u>N</u> ew User <u>D</u> elete | | | | | ОК | Cancel |

- 8. Click OK and OK button to exit.
- 9. Download project to FC6A-D* CPU.

- 10. Launch FTP Client application. In this example, we'll use FileZilla (<u>https://filezilla-project.org/</u>).
- 11. Click File → Site Manager

| FZ Fi | leZilla | | | | | | |
|-------|---------|---------|-----------|-----------|-----------|-------|-----|
| File | Edit | View | Transfer | Server | Bookmarks | Help | New |
| | Site M | lanager | | | | Ctrl | +S |
| | Сору | current | connectio | n to Site | Manager | | |
| | New t | ab | | | | Ctrl | +T |
| | Close | tab | | | | Ctrl+ | W |

12. Click the **New Site** button and enter the site name (i.e. FC6A).

| <u>S</u> elect Entry: | General Adv | anced | Transfer Settings | Charset |
|--------------------------------------|--------------------|---------|---------------------|------------------|
| My Sites | Host: | | | Port: |
| \bigcirc | Protocol: | FTP - F | ile Transfer Protoc | ol 🔻 |
| | Encryption: | Use ex | plicit FTP over TLS | if available 🛛 🔻 |
| | Logon Type: | Anony | mous | • |
| | User: | anony | mous | |
| | Password: | | | |
| | Account: | | | |
| | Co <u>m</u> ments: | | | |
| <u>N</u> ew Site New <u>F</u> older | | | | * |
| New Book <u>m</u> ark <u>R</u> ename | | | | |
| Delete Dupl <u>i</u> cate | | | | - |

13. Under General tab, enter the PLC IP address (step 2) in Host. Select **Normal** as Logon Type and enter the **User** and **Password** (step 7).

| Site Manager | |
|---|--|
| Select Entry: My Sites FC6A New Site New Folder New Bookmark Rename | General Advanced Transfer Settings Charset Host: 192.168.104.116 Port: Protocol: FTP - File Transfer Protocol • Encryption: Use explicit FTP over TLS if available • Logon Type: Normal • User: idecusa • Password: • • Account: • • |
| Delete Duplicate | |
| | <u>Connect</u> <u>O</u> K Cancel |



14. Click the **Transfer Settings** tab. Check the box "Limit number of simultaneous connections" and set the Maximum number of connections to **1**.

Note: This step is critical because the FC6A Plus is limited to 1 Client connection.

| Site Manager | | X |
|---------------|--|---|
| Select Entry: | General Advanced Transfer Settings Charset Iransfer mode: Default Active Passive Imit number of simultaneous connections Maximum number of connections: Image: Connection in the set of t | |

15. Click the **Connect** button.

| New Site | New Folder | | |
|-----------------------|------------|------|------|
| New Book <u>m</u> ark | Rename | | |
| Delete | Duplicate | | |

16. Assuming the SD card is plugged into the FC6A Plus with data, you now have read/write access to the SD memory card.

| E FC6A - idecusa@192.168.104.116 - FileZilla | white and a series a series of the series | |
|---|---|-------------|
| <u>File Edit View Transfer Server Bookmarks Help New version available!</u> | | |
| 1 - N - C - C - C - C - C - C - C - C - C | | |
| Host: Username: Pass <u>w</u> ord: | Port: Quickconnect | |
| Status: TLS connection established. Status: Server does not support non-ASCII characters. Status: Connected Status: Retrieving directory listing Status: Directory listing of "/" successful Status: Retrieving directory listing of "/FCDATA01" Status: Directory listing of "/FCDATA01" successful Status: Directory listing of "/FCDATA01/DATALOG" Status: Directory listing of "/FCDATA01/DATALOG" Status: Directory listing of "/FCDATA01/DATALOG" Status: Retrieving directory listing of "/FCDATA01/DATALOG" Status: Retrieving directory listing of "/FCDATA01/DATALOG" | | E |
| Local site: C:\Users\dpham\Documents\ | Remote site: /FCDATA01/DATALOG/RESULT | • |
| | FCDATA01 DATALOG RESULT 2 PROGRAM 3 RECIPE 2 TRACE | |
| Filename Filesize Filetype Last modified | Filename | Filesize Fi |
| 2/26/2018 9:22:41 2/26/2018 9:22:41 | ₩ ∰ 20170405.csv | 7,224 M |
| Wy Music File folder | · · · · · · · · · · · · · · · · · · · | ۴ |
| 2 files and 12 directories. Total size: 402 bytes | Selected 1 file. Total size: 7,224 bytes | |
| Server/Local file Direction Remote file | Size Priority Status | * |
| 📱 software@ftp.idec.com | | - |
| Queued files (16) Failed transfers Successful transfers | | |
| | 🔒 🛃 🛤 Queue: 3.0 G | GiB 🔍 🖷 📑 |