

AXP640-AC

Quick Start Guide

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Welcome

Thank you for buying a chassis from Artesyn Embedded Technologies. As part of Artesyn's commitment to allowing you to differentiate your solution, Artesyn has developed System Services Framework (SSF).

SSF Overview

System Services Framework (SSF) is a management and configuration interface to Artesyn's ATCA™ hardware and software products. It facilitates system level configuration and management access to SSF managed hardware and software components, through different protocol interfaces like Web, XML, and CLI. It is a powerful framework for software service management and forms the cornerstone of Artesyn's value-added software releases - now and in the future. Accelerate your project delivery by simplifying development. Focus on creating a compelling application or service, rather than system management software.

Complimentary Evaluation Licenses

Artesyn is providing completely free of charge evaluation license for SSF. With these licenses, you can explore the functionality of SSF. Every Artesyn Centellis™ ATCA chassis ships with a 3 month full access evaluation license and 12 month read-only access license, which can be easily and cost-effectively upgraded to full access.

Process for Receiving Evaluation License

You will receive an auto generated e-mail from Artesyn Order Management System. This e-mail contains product related information, such as product name, evaluation period, and product key. You can use the product key to generate finger print of your blade, which in turn can be used to generate the license key for SSF. For more information regarding license, refer *License Management section in SSF Installation and Use manual*.

Purchasing SSF

SSF is licensed as per chassis type. For example a license could be purchased for the AXP640 chassis. AXP640 system can be accessed from the licensed node with any combination of SSF enabled blades.

We hope and expect that the benefits of SSF will be clear once you have tried it on your system. In the event that you want to purchase a perpetual license after the evaluation license has expired, please contact your Artesyn Embedded Technologies sales team.

1 What's in the box?

Make sure you receive all items of your shipment:

- One AXP640 Chassis
- One printed copy of Quick Start Guide (this document)
- One printed copy of *Safety Notes Summary*
- Any other items that you ordered



When installing or servicing the module or accessories, strictly observe the safety precautions in the *Safety Notes Summary*. Otherwise, personal injury or property damage may occur.

2 Observe ESD-safe measures

- Use either a properly grounded ESD wrist strap or make sure that you are working in an ESD-safe environment.
- Connect to the ESD connector at the front or the rear of the system.

3 Prepare the installation site

- For information on the environmental and power requirements, see the *AXP640 Installation and Use* manual.
- Operating temperatures refer to the temperature of the air circulating around the blade and not to the actual component temperature.

4 Mounting the Shelf

23" EIA Rack/Cabinet

Front mounting brackets are required to attach the shelf to an EIA 23" frame.

1. Locate the standard mounting hole and slot locations on the front mounting flanges on the AXP640 shelf.
2. Fasten the mounting brackets to the back side of the front chassis flanges using M6 x 12mm screws at each of the four locations.
3. Make sure to mount the shelf with metal screws or bolts that give a good electrical connection between the screws or bolts and the mounting surface.
4. Tighten all screws using a torque setting of 35.5 to 38.5 inch-pounds.

5 Mounting the Shelf

600mm ETSI Rack/Cabinet

The shelf mounts directly from the integrated flange on the front of the shelf.

1. Locate the standard mounting hole and slot locations on the front integrated mounting flanges on the AXP640 shelf.
2. Fasten the mounting brackets to the back side of the front chassis flanges using M6 x 12mm screws at each of the four locations.
3. Make sure to mount the shelf with metal screws or bolts that give a good electrical connection between the screws or bolts and the mounting surface.
4. Tighten all screws using a torque setting of 35.5 to 38.5 inch-pounds.

6 Grounding the Shelf

Use a 16 AWG wire with a 2-hole copper lug and connect directly to the earth ground point located on the right side of the back of the shelf; connect the other end of the wire to a reliable earth ground. Use the torque setting required by the connector supplier. The 2-hole lug prevents rotation of the lug and ensures a permanent bonding of ground to the shelf.



7 AC Power Cable

Power is introduced to the shelf at the AC inlet located at the rear side of the shelf. The recommended power cable is a 14 AWG gauge that meets the specifications for this shelf. There is one IEC connector for each power supply.

8 Connecting the AC Cables

1. Locate the target power input cable's terminals at the branch circuit or power distribution unit.
2. Lock and tagout the circuit breakers on the branch circuit.
3. Attach the AC power cables, one to each IEC input connector.

9 Powering Up the System

1. Break the tagout or lockout seals on the branch circuit or power distribution unit.
2. Apply power by closing the branch circuit or power distribution unit.
3. Verify that all FRU LEDs illuminate and the PSU In Service LED is green.

The system executes its normal start-up routine and is then ready to use.

Finding more information

For more information on the product, see the *AXP640 Installation and Use* and other related documentation.

Go to <https://www.artesyn.com/computing/support/product/technical-documentation.php> for technical documentation.

Technical Assistance

To request technical assistance, visit <http://crcportal.artesyn.com>