LOWELL.™
Distributed Audio, Power & Rack Solutions

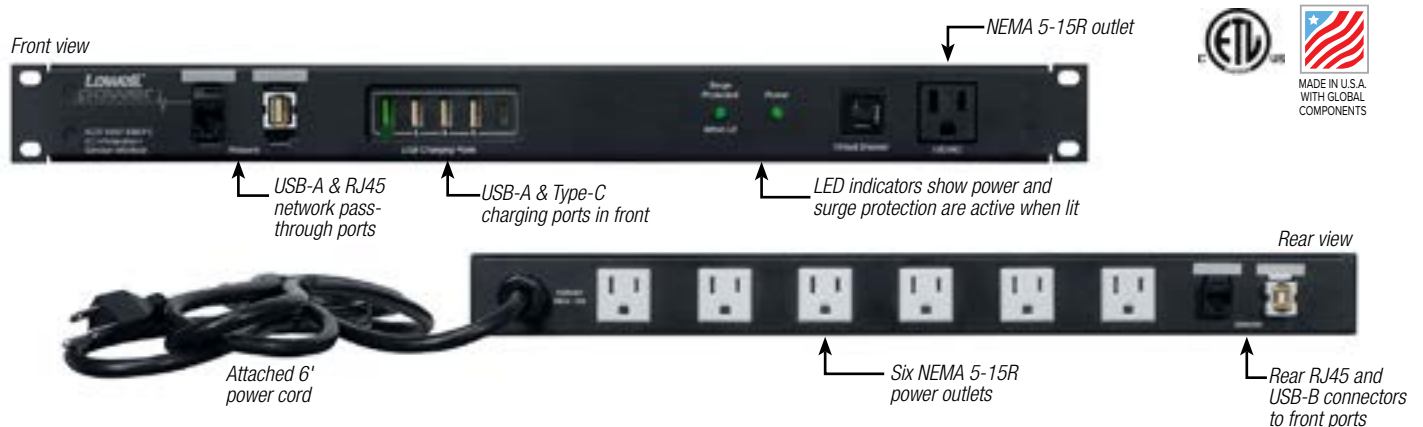## Service Interface Panel: ACR-1507-SSI-FC

with network pass-through ports, front charging ports,
7 outlets and surge suppression

Front view

NEMA 5-15R outlet

ETL — MADE IN U.S.A. WITH GLOBAL COMPONENTS

USB-A & RJ45 network pass-through ports

USB-A & Type-C charging ports in front

LED indicators show power and surge protection are active when lit

Rear view

Attached 6' power cord

Six NEMA 5-15R power outlets

Rear RJ45 and USB-B connectors to front ports

features.

- **Description:** The easy connectivity solution for troubleshooting and field diagnostics, this service interface panel provides a quick way to access a network from the front of the rack, using pass-through connectivity ports.

- **Network Pass-Through Ports:** Connect your device to one of the pass-through ports on the front and you're connected to the audio, security, or main network—whatever interface was made at the back of the unit.
  – Front RJ45 to rear RJ45
  – Front USB-A to rear USB-B
  – Writable area above each port for easy identification

- **FRONT Charging Ports:** High speed charging connectors allow convenient powering of service devices (laptop, tablet, etc.) or mounted equipment.
  – USB-A connectors (3)
  – USB-A connector w/Qualcomm Quick Charge® 3.0 technology (1)
  – Type-C connector, 5V (1)

- **AC Power Outlets:**
  – Front: NEMA 5-15R outlet (1)
  – Rear: NEMA 5-15R outlets (6)

- **Power Rating:** 15A

- **Low-profile Chassis:** 19"W x 1.75"H (1U) x 9"D steel chassis with black finish

- **Power Input:** Attached 6' power cord with NEMA 5-15P plug.

- **Surge Protection:** Surge suppression with LED status indicator on front that shows protection is active when lit.
  – Non-ground contaminating (normal mode design)
  – Max surge current 40,000A
  – VPR 400V (UL1449-4)
  – Endurance: 1000 WCS (unlimited low level surges)
  – Response time 1 nanosecond
  – EMI/RFI Noise Atten: 20dB @100kHz
  – Protection mode: Line to neutral only. No ground contamination.

- **Third Party Certification:** ETL Listed (UL 60065)

- **A&E Specifications:** The rack shall include Lowell service interface panel model ACR-1507-SSI-FC, which shall feature two pass-through ports (RJ45 jack and USB-A) to allow quick access to network connections made at the rear of the unit. The panel shall also include five front charging ports (three USB-A, one USB-A with Qualcomm Quick Charge 3.0 technology, one Type-C), seven NEMA 5-15R power outlets (one front, six rear), and an attached 6' power cord with 5-15P plug. The panel shall include surge protection capable of defeating surges up to 40,000A. The unit shall be ETL Listed to conform to UL60065.
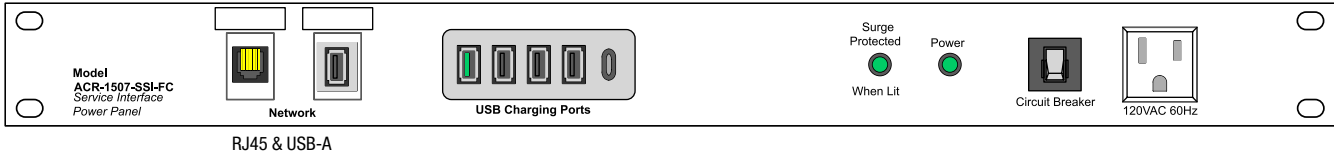
* Surge Protection WCS (Worst Case Situation): Defined as power quality disruptions likely to cause facility infrastructure damage such as direct lightening strike, transmission line cross-connection or collapse (from severe storm, ice damage, etc.) sub-station transformer explosion, etc. Industry standards for residential and commercial service entrance equipment limit surges entering a facility from external sources to maximum of 6kV and 10kA.
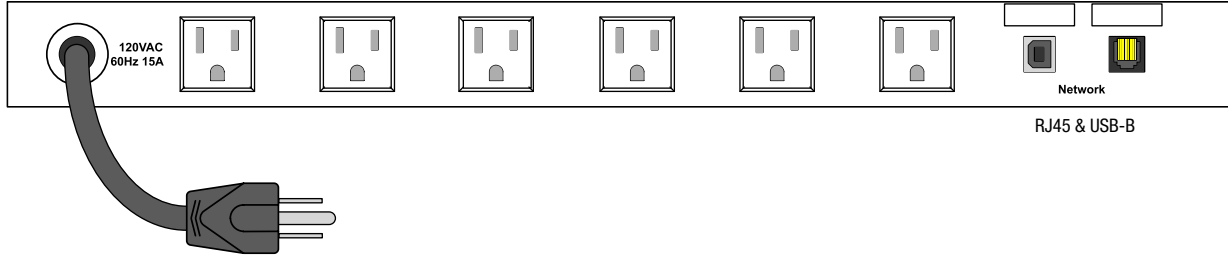
Service Interface Panels (Summary)

Model No.	Network Pass-Through Ports	Charging Ports	Front Outlets	Rear Outlets	Power Input	Surge Suppression
ACR-1507-SSI-FC	RJ45-to-RJ45 + USB-A-to-B	**FRONT:** USB-A (3), USB-A-3.0 (1), Type-C (1)	NEMA 5-15R (1)	NEMA 5-15R (6)	6' attached cord	Yes
ACR-1505-SSI-RC	RJ45-to-RJ45 + USB-A-to-B	**REAR:** USB-A (3), USB-A-3.0 (1), Type-C (1)	NEMA 5-15R (1)	NEMA 5-15R (4)	6' attached cord	Yes
SIP-1	RJ45-to-RJ45 + USB-A-to-B	---	---	---	---	---

drawings . . . .

FRONT

Model
ACR-1507-SSI-FC
Service Interface
Power Panel

Network

RJ45 & USB-A

USB Charging Ports

Surge
Protected

Power

When Lit

Circuit Breaker

120VAC 60Hz

REAR

120VAC
60Hz 15A

Network

RJ45 & USB-B

USB A connector w/Qualcomm Quick Charge® 3.0 technology

– With Type-C output 5V 3A

– 40W (3.6V-6.5V) 3A, (6.5V-9V) 2A, (9V-12V) 1.5A

– Up to 4X faster than standard chargers, able to charge compatible devices to 80% in just 35 minutes, the voltage flexible change from 3.6V to 12V.

– Backwards compatible with all versions of Qualcomm Quick Charge technology (1.0, 2.0, and 3.0). Also compatible with USB-C and provides standard charging for non-Quick Charge devices.

– Quick Charge 3.0 can charge 4X faster than traditional charging and twice as fast as Quick Charge 1.0, while also being 38% more efficient than Quick Charge 2.0 and reducing power dissipation by 45%.

– Full speed charging 5 devices at the same time.

*Registered trademark of Qualcomm Technologies, Inc.