

# Take your gear into the 21st century!

Introducing Siemens Sm@rtGear™ Mobile. Using a phone or tablet you can monitor and configure devices, open/close breakers and activate arc flash maintenance mode while outside the arc flash hazard boundary. This allows users to reduce the hazards associated with gear interaction.



Elevation Screen



WL Breaker Dashboard



PAC 4200 Dashboard

Published by  
Siemens 2019

Siemens Industry, Inc.  
5400 Triangle Parkway  
Norcross, GA 30092

Siemens Technical Support: 1-800-333-7421  
info.us@siemens.com

Printed in USA-CP  
Order No. PDBR-SMMOB-0519  
All Rights Reserved  
© 2019, Siemens Industry, Inc.  
usa.siemens.com/smartgear

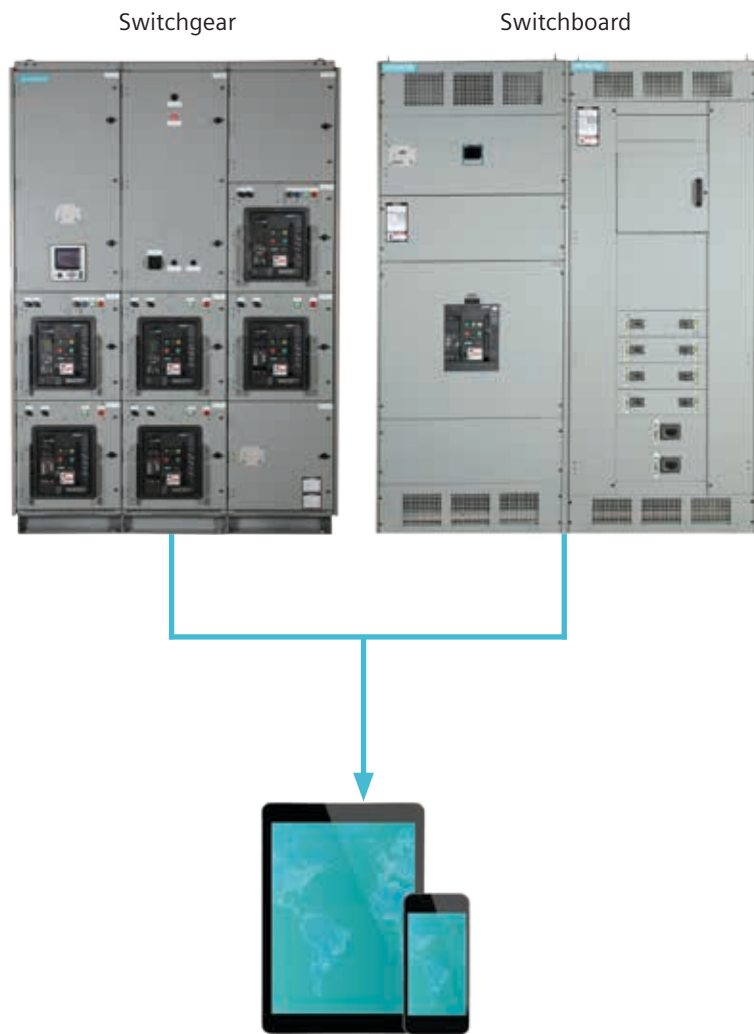
The technical data presented in this document is based on an actual case or on as-designed parameters, and therefore should not be relied upon for any specific application and does not constitute a performance guarantee for any projects. Actual results are dependent on variable conditions. Accordingly, Siemens does not make representations, warranties, or assurances as to the accuracy, currency or completeness of the content contained herein. If requested, we will provide specific technical data or specifications with respect to any customer's particular applications. Our company is constantly involved in engineering and development. For that reason, we reserve the right to modify, at any time, the technology and product specifications contained herein.

**SIEMENS**  
*Ingenuity for life*

**Sm@rtGear™ Mobile**  
Intelligence and control at your fingertips

usa.siemens.com/smartgear

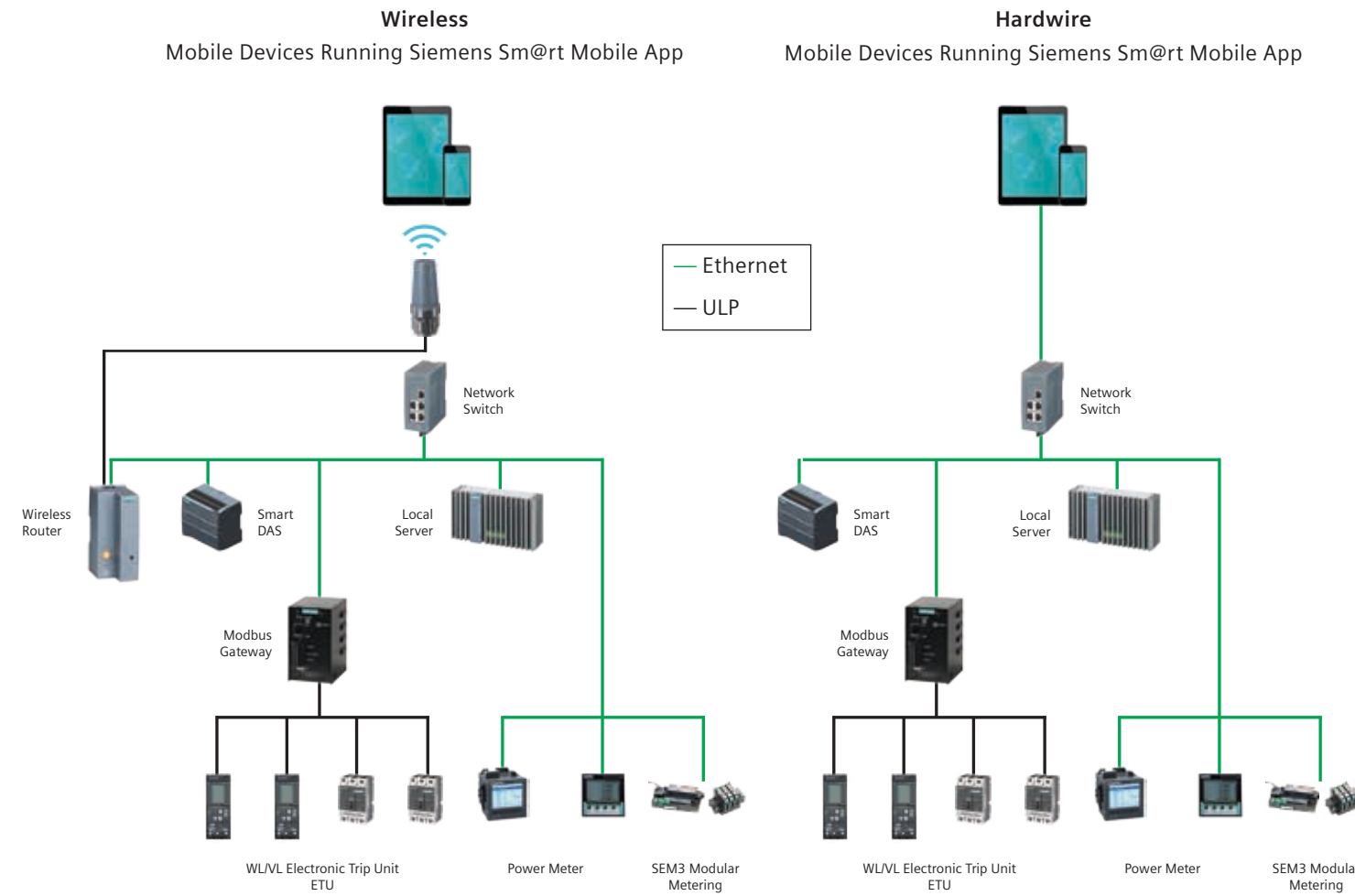
# Take control of your gear from your smart device



- **Remotely monitor, configure, and control using mobile phone or tablet (wireless or hardwired)**
- **Arc flash safety**
  - Remotely open/close breakers from outside arc flash hazard zone – no longer need dedicated control panel
  - Remotely activate breaker maintenance mode from outside arc flash hazard zone
  - Remotely view breaker status from outside arc flash hazard zone
- **Ease of commissioning**
  - Set breaker settings via touchscreen using mobile phone or tablet
- **Security**
  - Local security enabled WPA2 WIFI network only allowing local access
- **MindSphere (IoT) capable**



# Sm@rtGear Mobile Network Topology



## Sm@rtGear™ Mobile Standard Features

- Available in Type WL LV Switchgear, SB Switchboards and P4/P5 Power Panelboards
- Integrates with Siemens application using phone or tablet
- Ethernet switch and WIFI access point with WPA2 encryption

## Power/Insulated Case Circuit Breaker Features

- ETU 776 with Sm@rt Dynamic Arc Sentry (DAS)
- MODBUS communication
- Protective settings and alarm functions
- Current and voltage monitoring
- Power metering functions
- Electrically operated breakers
- Remote open/close

## Molded Case Circuit Breaker Features

- ETU 586 with Smart DAS
- MODBUS communication
- Protective settings and alarm functions
- Current monitoring
- Breaker status

## Sm@rtGear™ Mobile Optional Features

- PAC Digital meter integration
- SEM3™ submetering integration
- Siemens MindSphere IoT integration

Feature	Sm@rtGear Mobile V1
<b>Monitor</b>	
Metering	PAC, 9410,9810, 9610, SEM3, WL, VL
Real time metering dashboard (WL and VL Breaker Screens)	Yes, standard
Automatic collection and visualization of fault records	Yes, standard
<b>Configure / User Interface</b>	
HMI size	Any supported Mobile Devices
Large colored graphical HMI display	Any supported Mobile Devices
Project customized graphics	Yes, standard
Dynamic graphic topology	Yes, standard
<b>Admin Level Options</b>	
Custom Name Plates	Yes, standard
User Management	Yes, standard
Enhancement of nameplate retention	Yes, standard
<b>Control</b>	
Remote open/close	Yes, standard
Maintenance mode - Device Level	Yes, standard
Real time metering dashboard (Breaker Screens)	Yes, standard
Real-time status	Yes, standard
Remote configuration and control	Yes, standard
<b>Optional Integrations Available</b>	
Switchboard/VL	Yes
<b>Hardware Requirement</b>	
Trip Unit Options ( WL )	ETU776 (Metering Plus Required)
Trip Unit Options ( VL )	VL586 (Com Required )
Trip Unit for VL breaker	VL586 (add com 20 for DAS)
Processor	Local Server
Communication Protocol	Modbus
Island Network Security Provided	Optional
Remote Panel Enclosure ( NEMA 1)	Optional