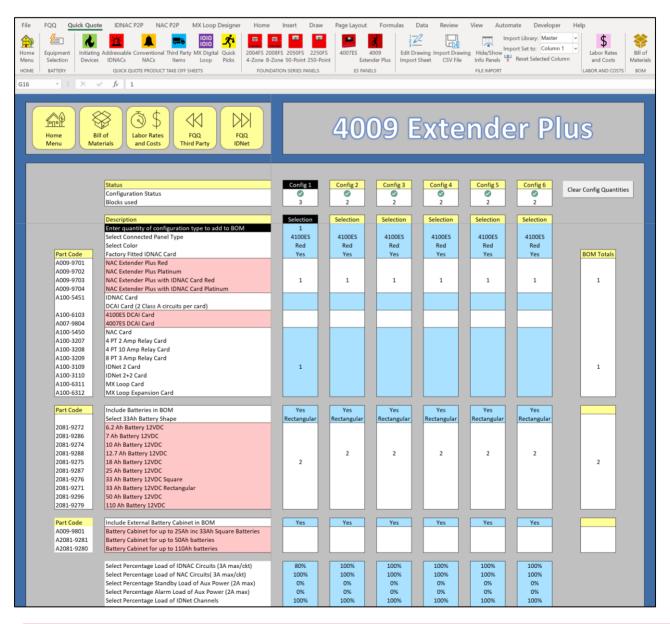# Simplex

Update for Simplex FQQ Tool
Feature Quick Quote Takeoff, Point to Point
Circuit Designers and Battery Calculation Tool

We are pleased to announce the addition of an integrated **Configurator for the new 4009 Extender Plus** and updates to the Repeater Battery Calculation format in the IDNAC Point to Point Designer. **FQQ** is designed to provide users with an offline enhanced workflow experience facilitating rapid project takeoffs and circuit designs. It utilizes spreadsheet functionality for interface with the **Solution Navigator** pricing platform. The **IDNAC, NAC, and MX Loop Point to Point Designers** support multiple circuits in a single calculation. **FQQ** includes the ability to create a complete industry standard **Battery Calculation** including panel components and field devices.

4009 Extender Plus

Status		Config 1	Config 2	Config 3	Config 4	Config 5	Config 6	
Configuration Status		✓	✓	✓	✓	✓	✓	Clear Config Quantities
Blocks used		3	2	2	2	2	2	

Part Code	Description	Selection	Selection	Selection	Selection	Selection	Selection	BOM Totals
	Enter quantity of configuration type to add to BOM	1						
	Select Connected Panel Type	4100ES	4100ES	4100ES	4100ES	4100ES	4100ES	
	Select Color	Red	Red	Red	Red	Red	Red	
	Factory Fitted IDNAC Card	Yes	Yes	Yes	Yes	Yes	Yes	
A009-9701	NAC Extender Plus Red							
A009-9702	NAC Extender Plus Platinum							
A009-9703	NAC Extender Plus with IDNAC Card Red	1	1	1	1	1	1	1
A009-9704	NAC Extender Plus with IDNAC Card Platinum							
A100-5451	IDNAC Card							
	DCAI Card (2 Class A circuits per card)							
A100-6103	4100ES DCAI Card							
A007-9804	4007ES DCAI Card							
A100-5450	NAC Card							
A100-3207	4 PT 2 Amp Relay Card							
A100-3208	4 PT 10 Amp Relay Card							
A100-3209	8 PT 3 Amp Relay Card							
A100-3109	IDNet 2 Card	1						1
A100-3110	IDNet 2+2 Card							
A100-6311	MX Loop Card							
A100-6312	MX Loop Expansion Card							
Part Code	Include Batteries in BOM	Yes	Yes	Yes	Yes	Yes	Yes	
	Select 33Ah Battery Shape	Rectangular	Rectangular	Rectangular	Rectangular	Rectangular	Rectangular	
2081-9272	6.2 Ah Battery 12VDC							
2081-9286	7 Ah Battery 12VDC							
2081-9274	10 Ah Battery 12VDC							
2081-9288	12.7 Ah Battery 12VDC							
2081-9275	18 Ah Battery 12VDC	2	2	2	2	2	2	2
2081-9287	25 Ah Battery 12VDC							
2081-9276	33 Ah Battery 12VDC Square							
2081-9271	33 Ah Battery 12VDC Rectangular							
2081-9296	50 Ah Battery 12VDC							
2081-9279	110 Ah Battery 12VDC							
Part Code	Include External Battery Cabinet in BOM	Yes	Yes	Yes	Yes	Yes	Yes	
A009-9801	Battery Cabinet for up to 25Ah inc 33Ah Square Batteries							
A2081-9281	Battery Cabinet for up to 50Ah batteries							
A2081-9280	Battery Cabinet for up to 110Ah batteries							
	Select Percentage Load of IDNAC Circuits (3A max/ckt)	80%	100%	100%	100%	100%	100%	
	Select Percentage Load of NAC Circuits(3A max/ckt)	100%	100%	100%	100%	100%	100%	
	Select Percentage Standby Load of Aux Power (2A max)	0%	0%	0%	0%	0%	0%	
	Select Percentage Alarm Load of Aux Power (2A max)	0%	0%	0%	0%	0%	0%	
	Select Percentage Load of IDNet Channels	100%	100%	100%	100%	100%	100%	

New 4009 Extender Plus configurator features include:
- Six configuration containers with selectable quantities for adding parts to BOM.
- Automatic rule checking for optional card placement and power consumption.
- Supports configuration options for 4007ES and 4100ES Control Panels.
- Options to include batteries and/or battery cabinets in the BOM.
- Simple load selection of card types and auxiliary power requirements.

The new preconfigured 4009 IDNAC Extenders have been added to the IDNAC takeoff sheet:

IDNAC Addressable Notification Repeaters	Color		
IDNAC Repeater	Red		
IDNAC Repeater	Platinum		
IDNAC Repeater Buy America Version	Red		
IDNAC Repeater Buy America Version	Platinum		
IDNAC Repeater Class A Module			
4009 IDNAC Extenders	Color		
4009 IDNAC Extender	Red		
4009 IDNAC Extender	Platinum		
IDNAC Addressable Notification Modules		mA	
Isolator+ Module		10	
Adapter Module - Special Applications Audible 50mA - Visual 250mA		300	
Adapter Module - Regulated 24V Audible 30mA - Visual 180mA		210	

The Repeater Battery Calculation format has been updated to match the standard battery report. This also includes an option to configure auxiliary loads connected to each repeater and export the report to a new Excel Workbook.

Project Name:
Customer Name: REPEATERS PER CIRCUIT   1
Project Location:
Project Phase:
Prepared By: Jason Crouch
4/26/2024

CIRCUIT NUMBER   1
REPEATER NUMBER   1
STANDBY HOURS   24
STANDBY MINUTES   5
BATTERY FACTOR   20%
SPARE CAPACITY   0%

Battery Set Location:

IDNAC 29 VDC BOOST MULTIPLIER
IDNAC ALARM CURRENT AMPS   1.6780   TOTAL STANDBY AMPS   0.8344
IDNAC BOOST FACTOR 1.57 AMPS   0.6209   TOTAL ALARM AMPS   3.2949

[Export battery report to new workbook]

RECOMMENDED BATTERIES   TOTAL AMPERE HOURS   20.30 Ah
2 x 25 Ah Battery 12V   MINIMUM BATTERY   24.36 Ah
Requires External Battery Cabinet

ITEM	PRODUCT DESCRIPTION	PART CODE	QTY	UNIT AMPS STANDBY	TOTAL AMPS STANDBY	UNIT AMPS ALARM	TOTAL AMPS ALARM
1	PANELS AND CONTROL EQUIPMENT						
2	Repeater - Red	A009-9602	Class B Mode	1	0.0700	0.0700	0.0960	0.0960
3	ADDRESSABLE NOTIFICATION						
4	Wall Horn Strobe	A49AV-APPLW	15 cd	5	0.0008	0.0040	0.0590	0.2950
5	Wall Horn Strobe	A49AV-APPLW	30 cd	5	0.0008	0.0040	0.0670	0.3350
6	Wall Strobe	A49VO-APPLW	15 cd	3	0.0008	0.0024	0.0470	0.1410
7	Ceiling Horn Strobe	A49AV-APPLC	75 cd	3	0.0008	0.0024	0.1590	0.4770
8	Ceiling Horn Strobe	A49AV-APPLC	110 cd	2	0.0008	0.0016	0.2150	0.4300
9	AUXILIARY LOADS						
10	Auxiliary Load 1	1234	1	0.3500	0.3500	0.5000	0.5000
11	Auxiliary Load 2	4567	2	0.2000	0.4000	0.2000	0.4000

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FQQ Takeoff Tool w/ IDNAC P2P Designer can be downloaded at **FQQ & IDNAC P2P Tool.**

For More Information:
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