

# Introducing Cerberus PACE Compact



## The sound of safety

#### Cerberus PACE - Public Address and Controlled Evacuation

In commercial and public buildings, life safety must always be the highest priority. Effectively moving people out of harm's way in case of an emergency is largely a matter of communication – which is why public address and voice alarm (PA/VA) systems in these buildings aren't just a useful tool for announcements, entertainment or live moderation but an integral part of the safety infrastructure.

With Cerberus PACE, you can cover all your PA/VA needs with a single solution. It was designed with the specific convenience and emergency applications in modern businesses and organizations in mind, from ambient music to public speaking to guided evacuation. Thanks to its state-of-the-art modular and scalable system architecture, Cerberus PACE can be customized for buildings of all types and sizes and offers unique benefits that will reliably ensure the safety and comfort of your employees, visitors and guests 24/7.

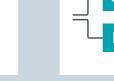
## Your benefits at a glance



Beyond EN 54-16

Regulatory compliance

to state-of-the-art





Multi-redundancy reliability with redundant components

structure



times



speaker output for

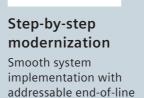
and comfortable

ambience

optimum intelligibility









**Loop isolators** Failsafe loop isolators thanks to omission of error-prone capacitors

# System planning in three steps

Every building has its own requirements when it comes to a PA/VA system. Ensure that you have all relevant information, so that our planning tool can help you to create a fitting system configuration.

Enter all information in the planning tool

Our Excel based planning tool verifies the

entries and proposes a proper system con-

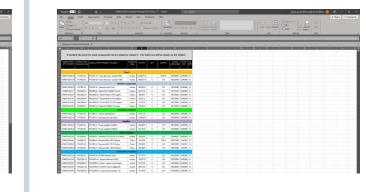
figuration.

#### Collect the necessary information

- -List of all speaker lines (including wattage)
- -Line wiring (A, B or loop)
- -Single channel (one audio signal active at a time) or multi channel (2 and more audio
- signals active at a time) -Grouping of speaker lines
- List of call stations

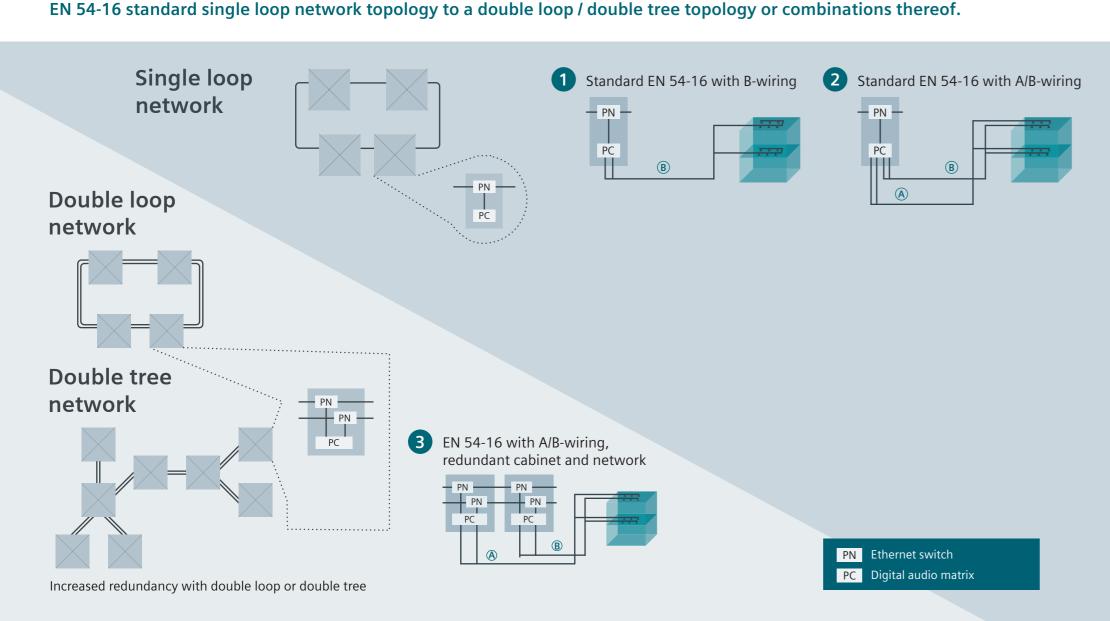
## Order your system

By using the summery list out of the planning tool, the correct numbers of components can be ordered.



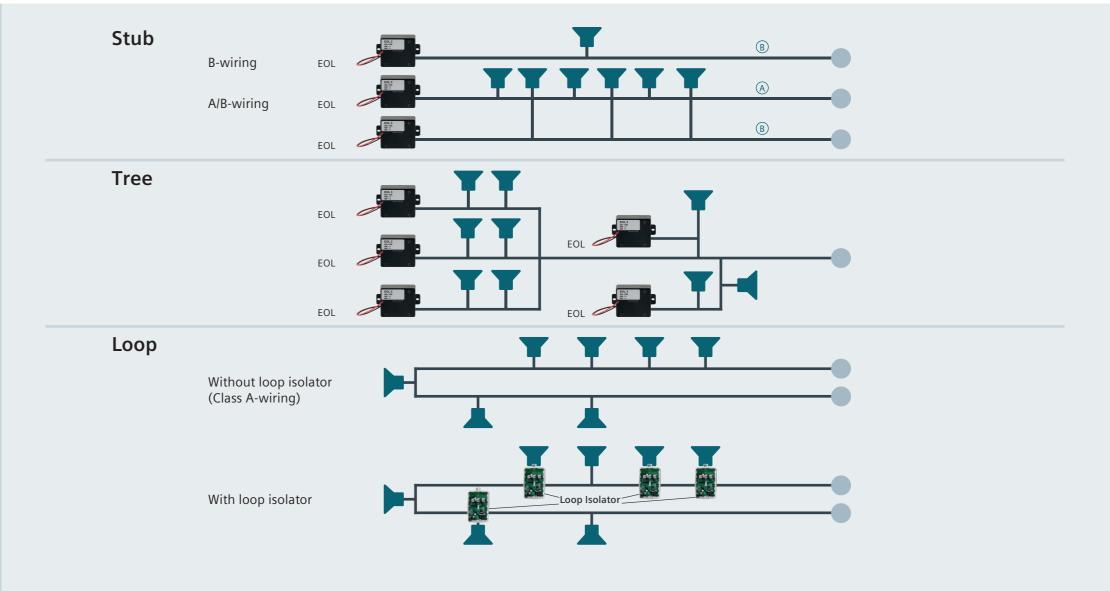
# Multi-redundancy

To ensure failure safety for all applications, Cerberus PACE Compact can incorporate all redundancy levels from individual backup components up to a complete double structure. Moreover, the network can be made redundant by expanding the

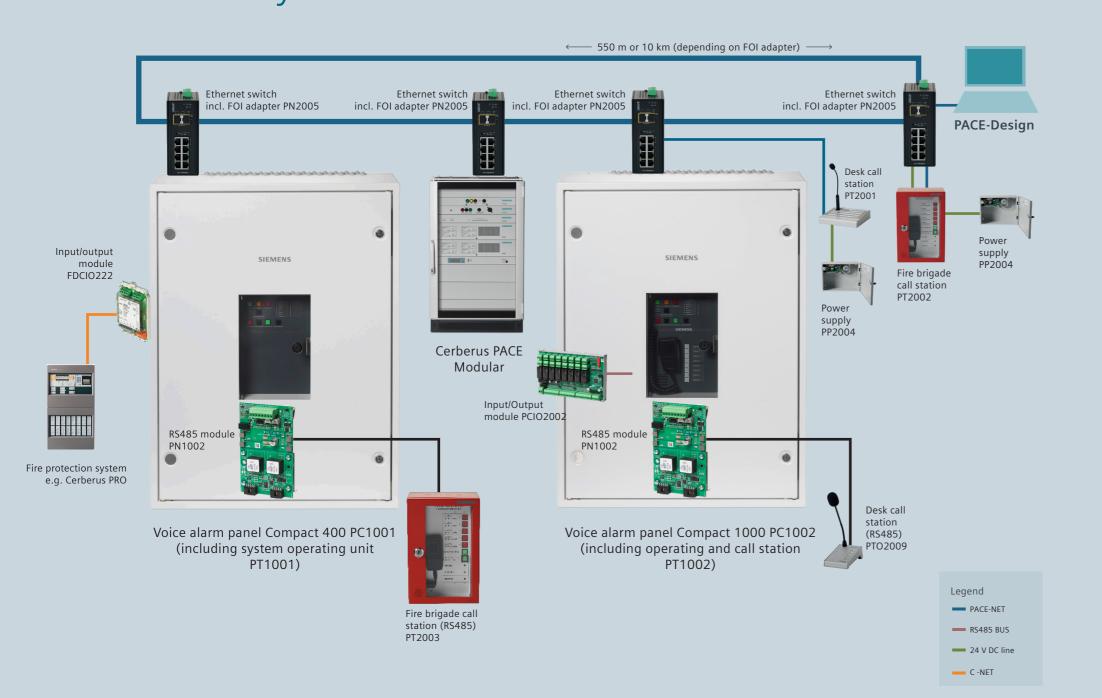


# Speaker line structures

Depending on the customer requirements and desired level of redundancy, several options are available for the speaker lines. From single to double stubs, trees, and loops with or without isolators, all major designs are possible. End-of-line modules ensure the speaker lines are functioning correctly, continuously checking their integrity and notifying should there be a fault.

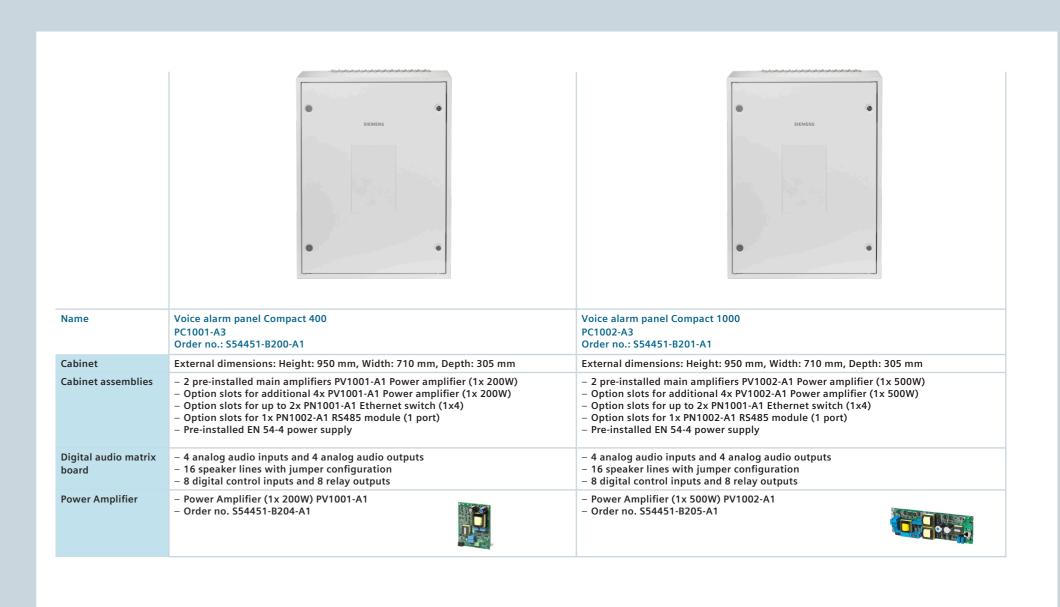


## Cerberus PACE system overview

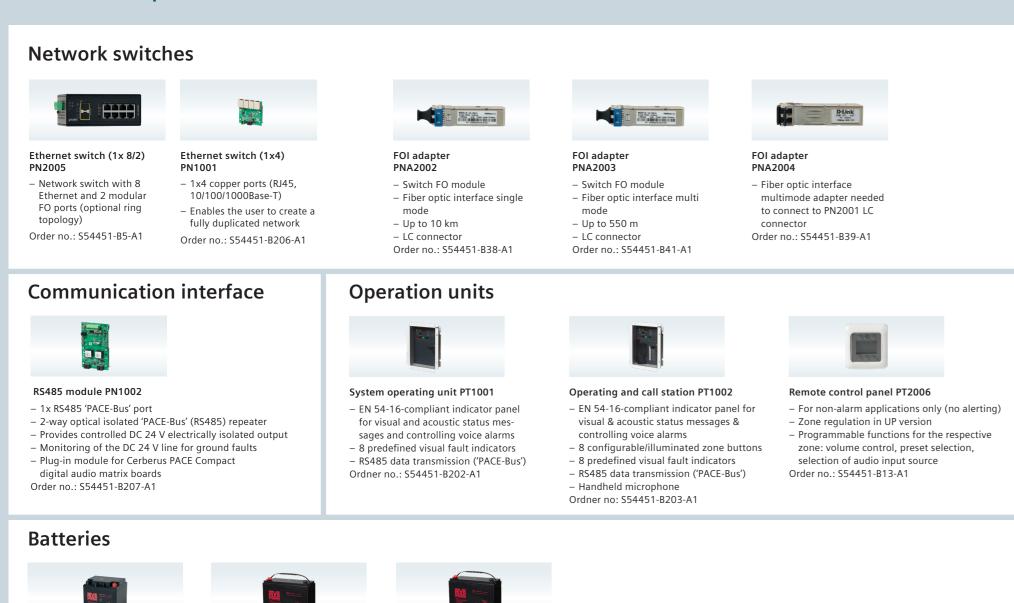


## **Compact Panels**





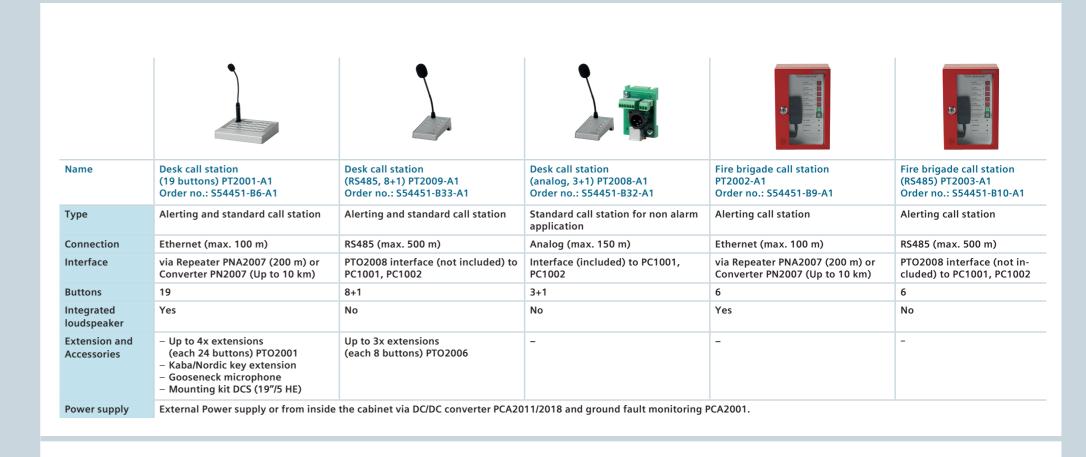
## Base components



Battery (12 V, 100 Ah) PA1002

Order no.: S54451-B209-A1

## Call stations





tons) PTO2001

- Max. 4 extensions

per call station

Order no.:

S54451-B7-A1





Order no.:

Order no.:

S54451-B8-A1

S54451-B48-A1

Nordic PTO2003





custom applications

Order no.: S54451-B51-A1

- For external housing or Needed to connect



Order no.:

S54451-B58-A1

PT2003 or PT2009 to

PC1001 or PC1002

RS485 isolator PNA2009 Isolator for the

Order no.:

S54451-B30-A1

Call stat interface (redundant) PTO2009 Offers redundant power supply to the Network call stations

Order no.:

S54451-B59-A1



Order no.:

S54451-B40-B1



S54451-B49-A1

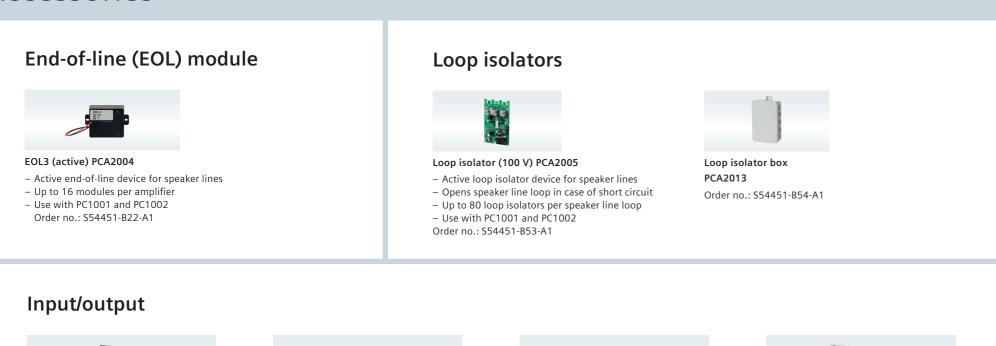
## Accessories

Battery (12 V, 40 Ah) PA2006

Order no.: S54451-B68-A1

Battery (12V, 75 Ah) PA1001

Order no.: \$54451-B208-A1





Input/output extension (digital, 16) - 16 additional digital inputs and outputs - 8 additional analog inputs

- Connection via RS485

Order no.: S54451-B28-A1



Input/output module (digital, 16) - 16 additional inputs and outputs 8 additional analog inputs - 8 additional digital outputs with

2-pole relay contact: max 5A

- Connection via RS485

Order no.: \$54451-B78-A1



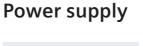
Output module (relay, 8) PCO2002 - 8 additional digital outputs with 2-pole relay contact: max 5A - Connection via RS485 Order no.: \$54451-B79-A1



Output extension (relay, 8) PCO2003 - Extention for PCIO2002, PCO2002 8 additional digital outputs with 2-pole relay contact: max 5A - Connection via RS485

Order no.: S54451-B80-A1

## Accessories





Ground fault monitoring (24 V) PCA2001 - Monitoring of 24 V lines for ground fault, e.g. in case of remote call stations

Order no.: \$54451-B19-A1



DC/DC converter (24 V/50 W) PCA2011 - DC/DC converter for galvanic isolation of the 24 V line

Order no.: \$54451-B65-A1



DC/DC converter (24 V/100 W) PCA2018 - DC/DC converter for galvanic isolation of the 24 V line

Order no.: \$54451-B75-A1



- Output: 125 W @ 24 VDC

## – Wall-mounted remote power supply and charger

Monitoring: input/output, battery - Max. battery capacity: 24 V / 40 Ah Order no.: \$54451-B75-A1

#### Audio file storage



2 GB SD card (industrial) PCA2002 Order no.: S54451-B58-A1

### Automatic volume control



Automatic volume control microphone PCA2007

- Supplied with phantom power via PCA2008 Order no.: S54451-B25-A1



## Automatic volume control

- Connection via audio input 4 - Use with PC1001, PC1002 - Can connect up to 4 PCA2007 Order no.: \$54451-B26-A1

module PCA2008

#### Network



#### Repeater (CAT5) PNA2007

 Extend the length of one Ethernet connection from 100 m to 200 m

- 100 MBit/s Ethernet network
- expsion (more than 100 m) 4x Ethernet port
- 1x FO fiber: multimode, 1310 nm (SC connector)

Order no.: \$54451-B52-A1

- 24 V input

Order no.: \$54451-B44-A1

– 1 Ethernet port and

1 modular FO port

Media converter (1x 1/1)

PN2007