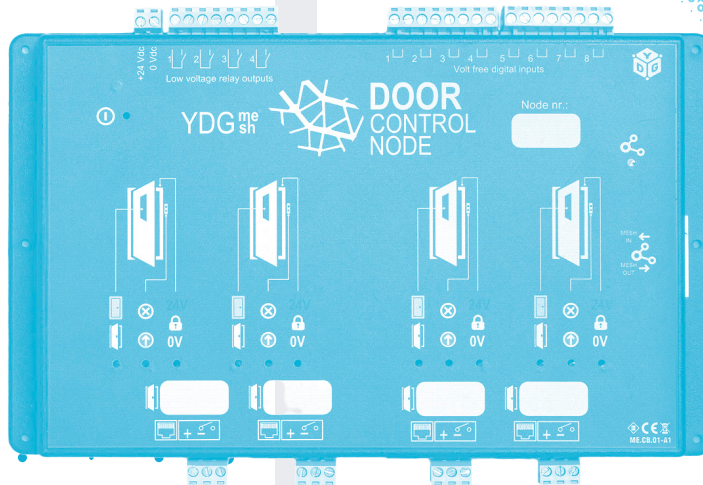




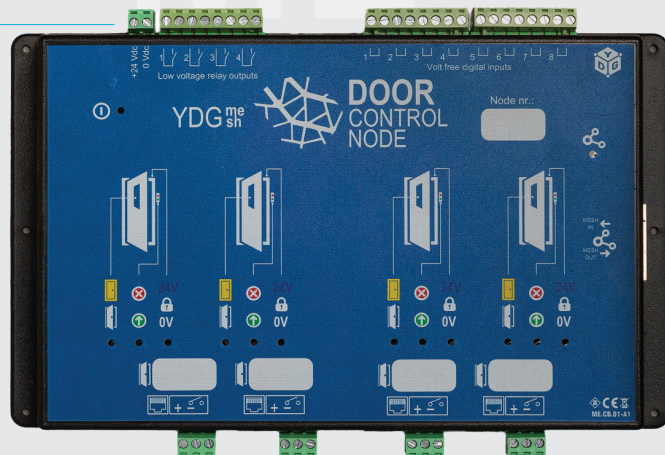
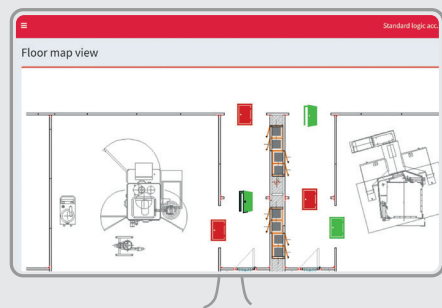
Door interlocking
thru web based
software

YDG
Mesh®

Cleanroom door
interlocking solutions

Hardware

Easy LAN connection



- Small dimension
- Plug n' play connectors
- Easy installation
- Colorful led indicators for door status
- Electric lock status
- Red/green indicator status

Door Control Node

Door control node is the **interface between the Network Link Node and the doors.**

Each module can connect to 4 doors all of which could be in different locking schemes. 100 modules can be daisy chained together to allow 400 doors to be controlled.

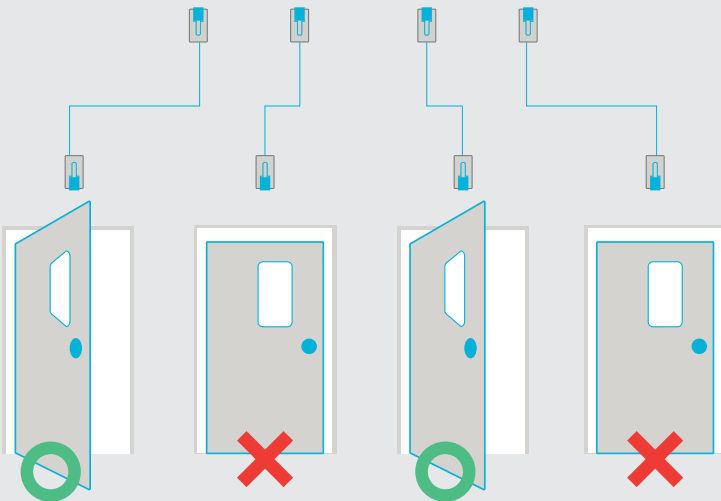
Network Link Node

The **brain of the system** is the Network Link Node. It has **its own CPU and web-based software** that runs independently from the facility network or PC connections.

By connecting Network Link Node to the facility LAN and through its dedicated IP address, users can monitor activity or make changes easily.

Network Link Node has its own memory card and register every single event such as: opening, closing, digital inputs, relay activation, accesses.

The system saves in a separate database all the anomalies such as: doors left open, simultaneous openings, forces openings, release button pressed.



CONNECTION ARE PROVIDED FOR

DOOR ACCESSORIES
DOOR POSITION SENSORS
ELECTRIC LOCKS
FIRE ALARM SYSTEM
BUILDING MANAGEMENT SYSTEM
ACCESS CONTROL INPUT
UV LAMPS
BLOWER AND PRESSURE SENSORS

Software

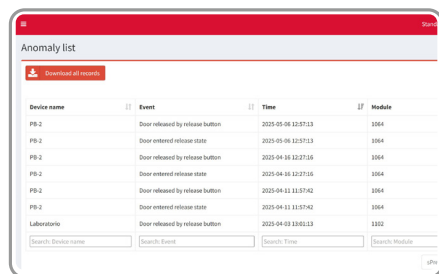


Userfriendly interface

Simple and intuitive use, no programming skills required.

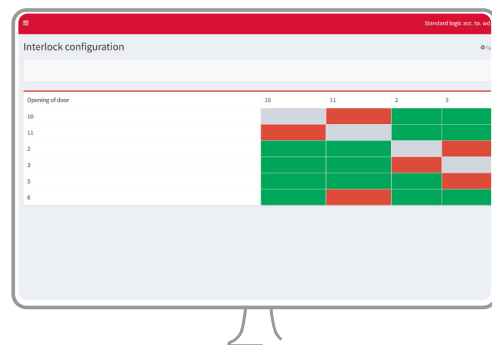
Check your interactive layout!

With Mesh® interactive layout you can monitor in real-time door's activity, recovery times running or anomalies as doors left open.



Set up your door parameters!

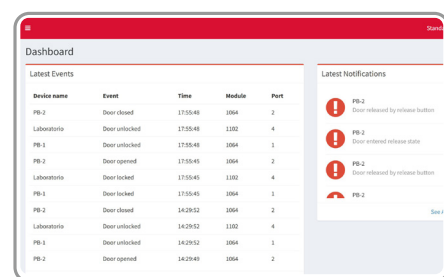
Administrators of the system can also change system parameters, interlocking logics, door configurations.



Ydg Mesh® is a real-time door interlocking system with a **web-based application** for remote monitoring and control. Via the facility LAN, users can monitor door activity and dynamically configure door parameters and interlocking logic.

Record all events for better control of operation!

The Network Link Node registers every single event related to the cleanroom doors!

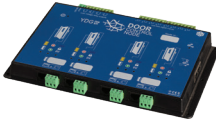


NORMALLY OPERATING

OPENING – CLOSING
LOCK ACTIVATION – LOCK RELEASE

ANOMALIES

DOORS LEFT OPEN
FORCED OPENING
SIMULTANEOUS OPENING
RELEASE BUTTON PRESSED

	 MESH® LINK NODE ME.CB.00-A1		 DOOR CONTROL NODE ME.CB.01-A1	
	24VdC	POWER REQUIRMENTS	24VdC	
	UL listed 90-264VAC to 24 VdC, 47-63Hz, 1.67A	POWER SUPPLY	UL listed 90-264VAC to 24 VdC, 47-63Hz, 1.67A	
	Aluminum with 4 mounting ears	ENCLOSURE	Plastic with 6 mounting ears	
	178 x 83x50 mm	ENCLOSURE DIMENSIONS	267 x 162x28 mm	
	Power status, Network activity	LED INDICATORS	Traffic light, Door and Lock Status	
NETWORK ARCHITECTURE	Event controlled, Fail-safe, PC indipendent		Cat 5 Cable or Wired Leads	CONNECTION TO DOOR ACCESSORIES
NETWORK CONNECTION	Cat5 UTP Cable		4	MAXIMUM DOORS PER MODULE
MESH NETWORK CONNECTION	8P8C RJ 45 Connector		100	MAXIMUM MODULES IS SERIES
LAN CONNECTION	RJ45, CAT 5 UTP Cable, 10/100 BaseT Ethernet		24VdC - 0.7 Max via 2-screw Terminal Block	AUXILIARY POWER OUTPUT
MAXIMUM # DOOR CONTROL MODULES	100		4 configurable N.O. - N.C.	LOW VOLTAGE RELAY OUTPUTS
MAXIMUM # DOORS	400		8	VOLTAGE FREE DIGITAL INPUTS
INTERNAL MEMORY	8GB via SD Card		Fail safe or Fail Secure	ELECTRIC LOCKS
MEMORY BATTERY BACK-UP	Included		Normally Unlocked - Normally Locked	DOOR INITIAL STATE
	(LVD) 2014/35/EU, (EMC) 2014/30/E	CERTIFICATION	(LVD) 2014/35/EU, (EMC) 2014/30/EU	
	2-Year Limited Warranty	WARRANTY	2-Year Limited Warranty	

Our Products

Cleanroom door
interlocking solutions

Cellular Lock®
Stand alone,
plug 'n play
solution

YDG Mesh®
Web-based
4.0 door
control

Pneu Lock®
Door interlocking
solutions
for ATEX
environments

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