



Nurse Call System

Innovative and Integrated Nurse Call Solution
for Hospitals & Healthcare Centres



Wired Nurse Call: Speech & Non-Speech



www.ezycall.com.my





easy to install > easy to maintain

easy to learn & use

EzyCall™ Nurse Call System

EzyCall™ is a powerful yet easy to use nurse call system that helps ensure vital communication throughout a hospital environment where efficiency is paramount. EzyCall™ delivers, helping save staff time, minimizing disturbance and improving the quality of patient or elderly care.

Whatever the application – be it a call system for a nursing home or hospital, for a high dependency unit – EzyCall™ is the obvious choice.

EzyCall™ facial design can be customized to suit exact operational needs of any hospital or healthcare facility. Besides English language and clear image to indicate functions, EzyCall™ can be supplied with any local language thus ensuring the patient ease of use.

Ezycall™ – it's easy to install, easy to learn and its easy to maintain. Troubleshooting EzyCall™ system is very straight forward and can be completed without need of computer or special programming tools.



In house software development team certified to Microsoft Action pack Developer Program.



Widely installed in government & private hospitals.



Direct from Manufacturer, able to provide customization and also fine tuning to meet delicate health care requirement.

Applications

Nurse call • Dementia Care • Staff Protection • Emergency Assistance • Cell Call • Affray

Features & Benefits



Standard

Same mechanical spec of Single Gang Outlet (85x85)- fitting nicely into Bedside Panel.



Modular Design

Independent of Room Controller or central PC software.



Ultra-Low Power

In active mode consumes only 10mA.



Wi-Fi Enabled

Optional Wi-Fi interfaced Room Controller, enabling easy integration when expanding in the future.



Voice Based System



Sealed design, no button-edge,

Cleaning is easy, liquid cannot enter the internal circuits.



Pendants are Oxygen Safe



Built In Server Software, Web based software, no need special software installation or dedicated PC.



Custom Message Display



CAT-5E or CAT-6 cabling

Easy installation, error free termination & easy replacement.



Flash Memory

No re-programming when power lost or replacement of sub-units. (including display & alerting units).



Interface

To any TV and Bed Light.



Custom Faceplate



Clear and color coded

Images with text.



Buttons with backlight



Sealed Pendants with smooth shape allows for easy, comprehensive cleaning.



No need TV Remote Control, if the patient uses Pillow Speaker with IR Module.

Maintenance



Auto Self-Test – when a sub unit fails, the Room Controller detects immediately. Alerting is shown in the LCD display, LED display, Emails to related personnel & sends SMS (if GSM module installed).



Power Failure Re-Programming

– No programming when system is powered down, FLASH MEMORY stores programming data & settings.



Memory Module – unplug the memory module from faulty controller & insert into new room controller – memory module has MTBF of 20 years.

**6 Yrs
MTBF**

Durable:

Sub Unit have Mean Time Between Failure (MTBF) of 6 years & Mean Time Between Repair (MTBR) of 1-min.



No configuration or programming

needed when replacing sub-unit, alerting unit & display unit.

Bed Head Faceplates

EzyCall™ Nurse Call System incorporate various of sub-units to suit each installation. Beside English language, local language can be customized to enable easy patient usage. Large icon indicate the function of each button. All sub-units are designed such that it's water resistance and can be wiped clean with cleaning liquid. New sub-unit can be developed within 1–2 weeks to suit any installation requirement.



Help Emergency Cancel with Handheld Jack
EZY800-SU-HEC-WJ

Generate Help event, Emergency event and also cancel all existing events. With handheld jack installed, basic handheld, fall detection or floor pressure mat can be connected.



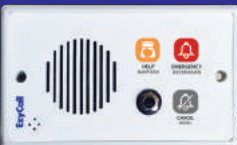
Call Present Emergency Cancel with Handheld Jack
EZY800-SU-PEC-WJ

Generate call (via handheld), present, emergency event and also cancel all existing events. With handheld jack installed, basic handheld, fall detection or floor pressure mat can be connected.



Staff Assist Code Blue Cancel without Handheld Jack
EZY800-SU-SBC-NJ

Generate staff assist, code blue and also cancel all existing events.



Help Emergency Cancel with Handheld Jack
EZY800-SSU-HEC-WJ

Generate Help event, Emergency event and also cancel all existing events. This sub unit have build in microphone and speaker for two way intercom capability between this sub unit and Speech Enabled Desktop Unit.



Emergency Cancel with Handheld Jack
EZY800-SU-EC-WJ

Generate Emergency event and also cancel all existing events. With handheld jack installed, basic handheld, fall detection or floor pressure mat can be connected.



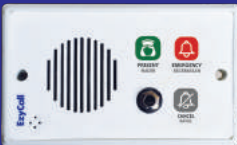
Code Blue Cancel with Handheld Jack
EZY800-SU-BC-NJ

Generate Code Blue event and also cancel all existing events.



Present Cancel with Handheld Jack
EZY800-SU-PC-NJ

Generate Present event and also cancel all existing events.



Call Present Emergency Cancel with Handheld Jack
EZY800-SSU-PEC-WJ

Generate call (via Handheld), present, emergency and also cancel all existing events. This sub unit have build in microphone and speaker for two way intercom capability between this sub unit and speech Enabled Desktop unit.

Washroom Call Units

EZY800-PULC
(Wall Mount)



EZY800-PUC
(Ceiling Mount)



- Smaller, less obtrusive design
- Wide openings in the base for incoming cables
- Quicker installation – lid simply clicks into base and is secured in one twisting motion – no lid fixing screws required!
- Improved confidence light – central diffuser emits bright glow over a wider area, providing better contrast for the visually impaired
- Separate easy-to-fix pull cord with BS8300 compliant bangles prevents the cord getting tangled through first and second fix

Hand-Held Unit

This handheld unit is give to patient so that they can call for help without pressing the HELP button on the sub unit. This unit is plugged into the sub unit that has Handheld Jack and it can be used to activate call or emergency event base on the connected sub unit.

Sealed design ensure that this call cord can be used safely in oxygen rich environments. Right angle jack ensure the call cord does not unplug when the cord is snapped.

We offer various length – the standard is 1500mm.



EZY800-HH

Pillow Speaker



EZY800-PS-A



EzyCall™ Pillow Speaker can be interfaced to any type of television which have audio line out (which is standard in any television system).

Nurse Station Controller



EZY800-NSC-NS
EZY800-NSC-SP

This is the key component for the whole EzyCall™ Nurse Call System, this is the center system where all components are connected and managed from this station.

Maximum 15 Room Controller, 4 Display Line and 2 Desktop Line can be connected to EZY800-NSC-NS-1.

Room Controller



EZY800-RC-16-NS

EZY800-RC-08-NS

For Room Controller (EZY800-RC-08-NS) has 8-channel sub unit connection & 2-unit overdoor indicator interface & (EZY800-RC-16-NS) has 16-channel sub unit connection and 4-unit overdoor indicator interface. Any type of sub unit can be connected to the 8-channel and over door indicator, the Room Controller Configuration software allows to configure the Room Controller.

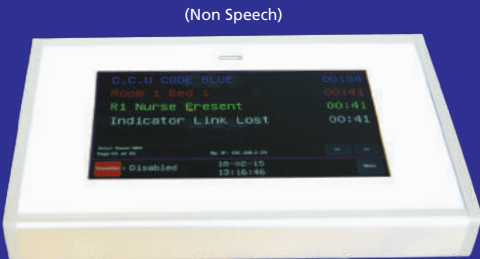
This Room Controller have the RC-S support port where Room Controller Speech type can be connected.

Ezy Desktop

This version of Nurse Station is designed to give simple and effective nurse counter alerting solution. This unit communicate directly with Room Controller and all the configuration can be done from here. Using 8.0" Full Colour TFT, this nurse station provide easy navigation and advance programming capability.



This model support two way audio communication
EZY800-DST-SP



EZY800-DST-NS

This unit is typically desktop placed to indicate incoming event and detail of each event can be displayed.

For each type of event dedicated alert audio will be generated. This audio alert can be changed to suit customer preference (only can be changed at factory or distributor lab). Automatic volume level control between day and night (7am to 7pm) will automatically adjust the volume during day and night.

Auto Screen save function will turn off the TFT screen when no event for more than 30 mins.

Alerting Units

These alerting units can be connected to Room Controller to produce audio or visual alert

LED ROOM / BED INDICATORS



OD4-AGRB

OD3-AGR

OD2-RG

OD1-R

R= Red, A=Amber, G=Green & B=Blue

WALL MOUNTED DOT MATRIX DISPLAY



EZY800-RGBLED-SIG-SUD
EZY800-RGBLED-DUO-SUD

STAFF ROOM DISPLAY



EZY800-SR



Tricolour LED



External Sounder

EzySoft Server Software

EzySoft Server Software specifically designed to help managers and building owners take tighter control of their care facilities, EzySoft displays 'Real-Time' call, reset and room occupancy information and allows detailed data analysis reports to be generated on longest calls, most visited rooms, busiest shifts, average call response times and more.

EzySoft is an invaluable source of reference for evaluating staff performance, reviewing patient demands and determining optimum labour levels/shift patterns and has been known to save organisations huge cost and reputation.

EzySoft provides multiple data sharing path to HMS System, we can share all information via XML, HTTPXML or direct database access.



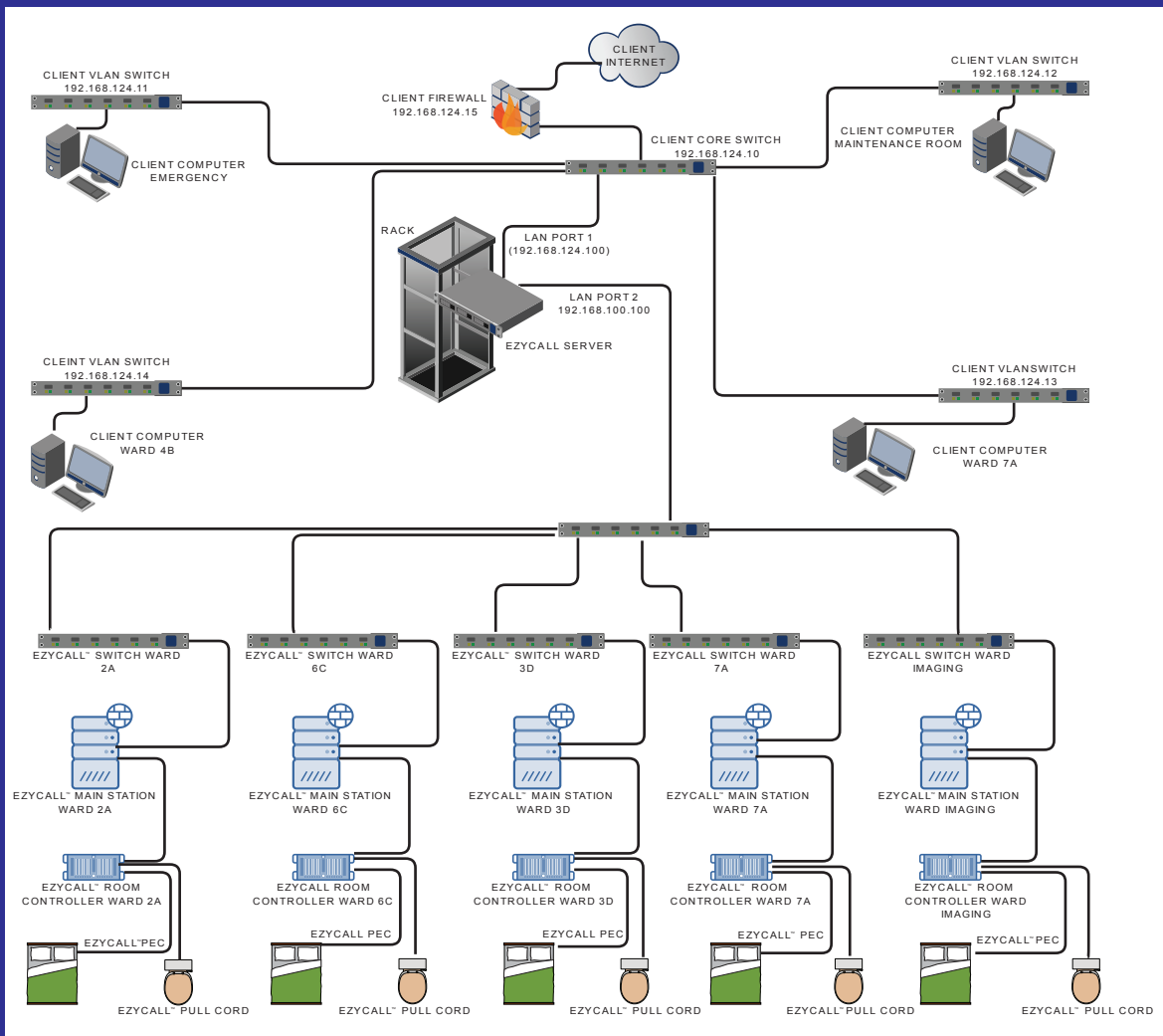
Features

- Web Application – Can be accessed from any standard browser which is connected via LAN.
- Unlimited User – No restriction on the number of user.
- Code Blue Alerting – User Configurable Code Blue Alerting.
- Call Transfer Management – User Configurable Call Transfer.
- Floor Plan Manager – upload ward floor plan and place units on to floor plan.
- Auto Reporting System – System automatically generate report.
- Auto Email Report Manager – System will send out email report (if configured).
- SMS Alerting – Send out SMS Alert if there is system/sub component failure.
- Robust Operating System design for 24/7 operation.

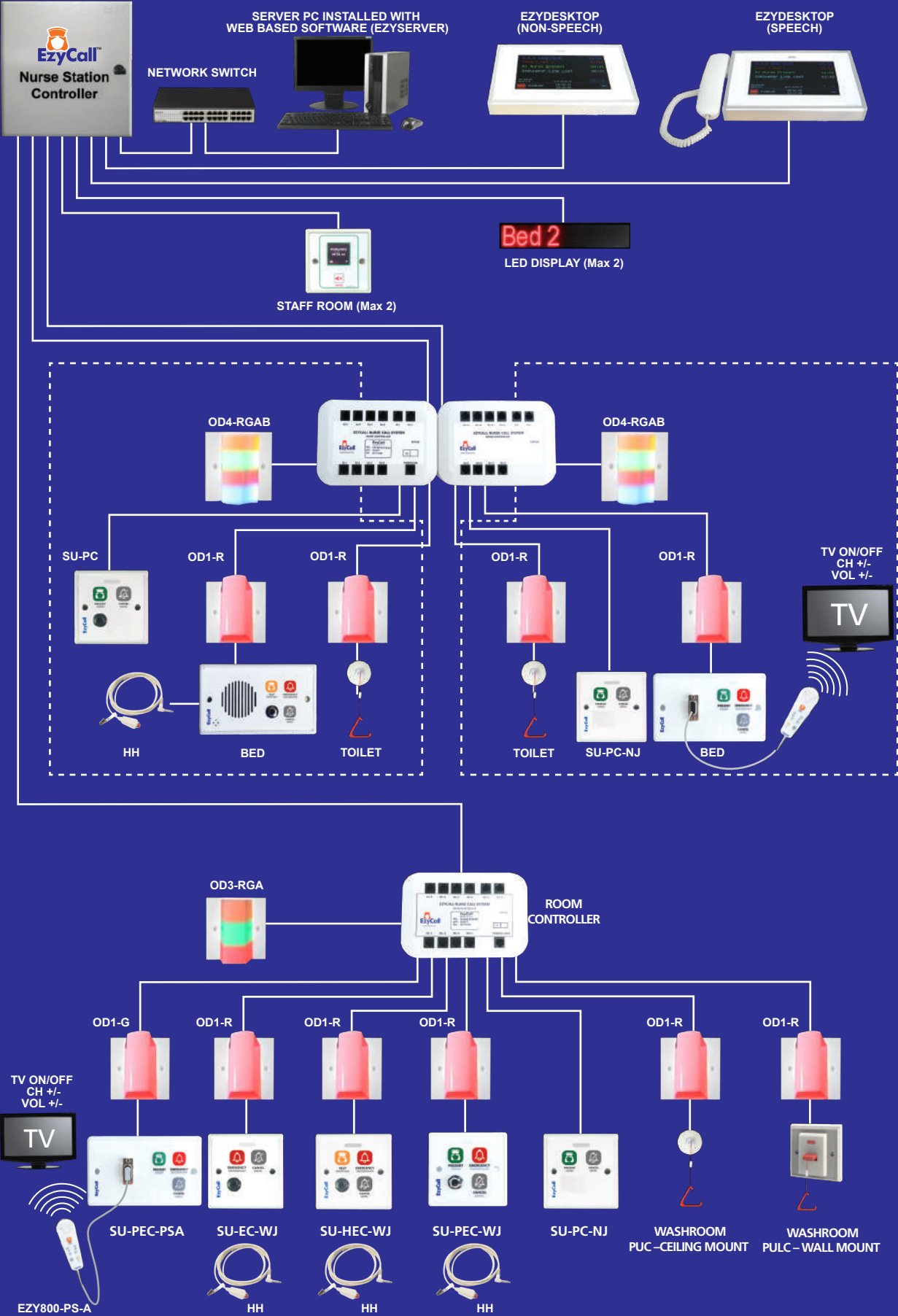


EZY800-SERVER-LITE
EZY CALL Server Software Lite Version

EzyCall™ Server Network Diagram



Modules & Components Overview



Bed 2



Integration with Health Care Management System (HMS)



Room Controller has **built in web-server**, which can be configured to export event.



We support **TCP, UDP, HTTP--POST, HTTP--GET, Text File and XML** Output.



This information can be used for **Billing System**.



We also can **import data from HMS system**, parameter such as patient name and duration the bed will be used.

Certifications & Regulatory Approval

We are certified with



001
Cert. No: KLR-6010698



MS ISO/IEC 17021:2011
QS 12022007 CB 06

EN ISO 9001:2008

BS EN ISO 9001:2008

MS ISO 9001:2008

ISO 9001:2008

Regulatory Approval

CISPR 22:2006
Radio Disturbance
Characteristics Limits

IEC 61000-4-2 : 2001
Electrostatic Discharge
Immunity Test

IEC 61000-4-5 : 2001
Surge Immunity Test

Designed with reference to

UL 1069 & UL 2560(USA)

AS 3811 (Australia)

HTM 2015 & HTM 08-03 (UK)



Fajar Saintifik Sdn Bhd (871106A)

B-02-13, Block B, Serdang Perdana Selatan, Section 1
43300 Seri Kembangan, Selangor Darul Ehsan, Malaysia
M: +6013-3694125 T: +603-89451450 F: +603-89411734
E: info@ezycall.com.my W: www.ezycall.com.my

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Authorised Distributor



Wireless Nurse Call

EzyCall™ Nurse Call System is designed using the latest Low Power Wide Area Network (LPWAN) technology to give wider coverage and lower battery consumption. Compliant to Wireless Nurse Call Standard, the whole solution is designed from ground up to provide reliable wireless connection solution which can perform as per wired system.

We selected to use LORA™ technology to ensure that system has a stable operation ISM Band. This LPWAN technology designed exclusively for IOT EcoSystem which is proved to operate in dense area.



Base on LORA™
with **32 Channel**
Spreading

Using Standard
AA size battery, easy &
lower cost battery
replacement

Option for ultra
low discharge battery,
able to give **5x more**
operation life

**Design &
Developed base on**
UL 2560 & UL 1069

Continue Battery
Fuel Gauge Monitoring
System, will provide
reliable battery
capacity
monitoring

Wireless
Controller with
build in WIFI for
programming & PC
interface

Optional
OverDoor
Indicator

Option **LED**
Display Interface

Optional
Router for **extending**
coverage



Wireless Nurse Call

