IP NURSE CALL SERVER · 1U RACKMOUNT

MedSync Enterprise

TCM-NC8000E · Nurse Call Server

Central server for nurse calls, SLA timing and KPI reports.

8 Bed Licenses Included | **Redundant Failover** | **1U Rackmount**



8 Beds Included	**1,000 Beds** Max. beds	**SLA 1 · 2** Response time	**KPI** Excel / PDF	**6 × GbE** LAN ports	**REST API** HRD / SIMRS	**Failover** Redundant

DESCRIPTION

The **MedSync Enterprise (TCM-NC8000E)** is the dedicated server of the Techma IP nurse call system. It collects every call from the TCM-NC8100 room controllers and shows it on the Nurse Monitor at each nurse station.

Each call is timed from the patient's press to staff presence and completion (SLA 1 and SLA 2), giving KPI reports per room, shift and staff for HRD or SIMRS via REST API. 8 bed licenses are included; more beds are added by license.

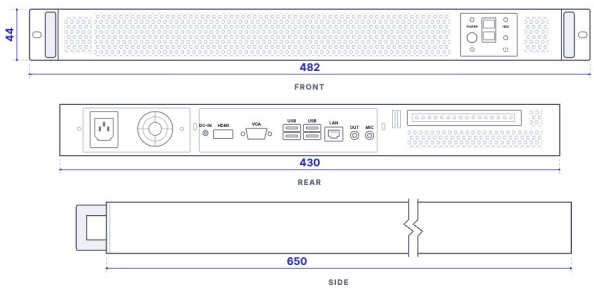
FEATURE

- Dedicated 1U server for the IP nurse call system
- 8 bed licenses included, expandable to 1,000 beds
- Call, Assistance, Code Blue, bathroom emergency
- Code Blue handled with the highest priority
- SLA 1 / SLA 2 response timing for every call
- KPI per room, shift and staff; Excel / PDF
- Web-based Nurse Monitor, multi-station
- REST API to HRD / SIMRS; SIP and PAGA linkage
- Redundant failover to a standby server, 6 × LAN

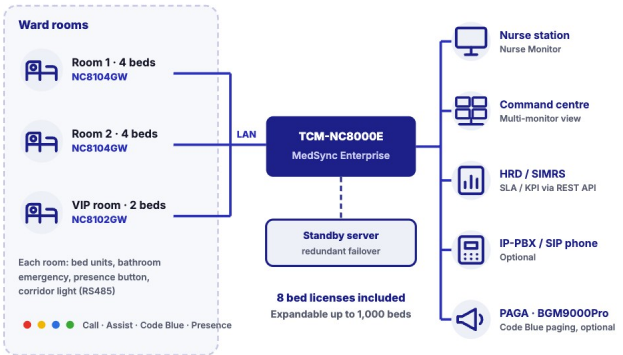
TECHNICAL SPECIFICATION

MODEL	TCM-NC8000E · MedSync Enterprise		
Product Type	IP nurse call server	**Form Factor**	1U, 19-inch rackmount
Processor	Intel® Core™ processor	**Memory**	8 GB RAM
Storage	512 GB SSD (logs and reports)	**Network**	6 × Gigabit Ethernet, RJ45
I/O	Rear: DC-IN, HDMI, VGA, 4 × USB, audio out, mic in · Front: 2 × USB		
Bed Licenses	8 beds included; add-on perpetual licenses up to 1,000 beds per server		
Room Devices	TCM-NC8102GW / NC8104GW controllers with NC8100BU, NC8100BE, NC8100PB and NC8100CL		
Call Types	Call, Assistance, Code Blue (highest priority), bathroom emergency		
Response Timing	SLA 1: call to staff presence · SLA 2: staff presence to call completed		
Reports	KPI per room, shift and staff; daily and monthly; Excel / PDF export		
Clients	Web-based Nurse Monitor, multi-station	**Protocols**	TCP/IP, UDP, HTTP/HTTPS
Integration	REST API (HTTP / JSON) to HRD / SIMRS; optional SIP to IP-PBX and paging via TCM-BGM9000Pro		
Security	User roles, audit log, HTTPS	**Redundancy**	Main + standby server, auto failover
Power Supply	AC 100–240 V, 50/60 Hz, 1U Flex PSU	**Operating Temp.**	0 °C to +40 °C, 10–90 % RH
Dimension	650 × 430 × 44 mm (L × W × H)	**Weight**	4.2 kg

DIMENSION (mm)



SYSTEM & APPLICATION



© 2026 Techma Technology · Specifications are subject to change without prior notice