



At a glance

- **IP based** ready for LAN connection
- **Wiring topology** allows for easy upgrading of legacy systems utilising traditional wiring
- **Distributed intelligence** allowing each nurse call system to run independently on the network
- **Robust** nurse call system with an single point of failure
- **Easily expandable**
- **Extensive** range of enhanced facilities to assist with task management and promote patient well-being
- **Ideally suited for:**
 - Ward refurbishments
 - Acute hospitals
 - Specialist hospitals

Ward and Networking Cabling

With the Codemlon solution, nurse call equipment is wired on a Local Ward Bus for data which typically starts and ends at the Power Unit. A separate twin 1mm cable supplies 24V dc.

The Local Ward Bus has the following characteristics:

- Maximum cable distance 1.4Km (with Repeat Unit)
- Maximum number of nodes per cable: 120
- Maximum number of nodes per system: 120

Power Units are connected directly to the LAN via a TCP/IP based connection with the following characteristics:

- Structured wired network (90 metres +5 metre patch at each end of the cable)
- One network connection per cable run, connected to a single port at an Ethernet switch

System features

	Ultima™ (Wired)	Codemlon™ (Wired)	Aspire SmartSync® (Wireless)		Ultima™ (Wired)	Codemlon™ (Wired)	Aspire SmartSync® (Wireless)
Patient Care				Workflow Efficiency			
Cardiac Alarm	✓	✓	✓	Clinical Reporting & Analytics	✓	✓	✓
VoIP Speech	✓	✓ (Duplex)		Pop-up Messaging	✓	✓	✓
Follow Lights	✓	✓	✓	Smart Device Messaging	✓	✓	✓
Call Escalation	✓	✓		EMR & EPR Integration	✓	✓	✓
Staff Assistance (Emergency Call)	✓	✓	✓	Staff Assignment	✓	✓	✓
Remote Call	✓	✓	✓	Telephony Integration	✓	✓	✓
Bed Isolate	✓	✓		Named Presence	✓	✓	✓
Bed Transfer	✓	✓	✓ (Permanent Repeat)	Task Assignment	✓	✓	✓
Disabled Toilet Call	✓	✓	✓	RTLS & Asset Tracking	✓	✓	✓ (Standalone)
Patient Safety	✓	✓	✓	Email Alerts	✓	✓	✓
Medical Alarm Alert	✓	✓	✓	SMS Messaging	✓	✓	✓
Auto-lighting	✓	✓		Access Control	✓	✓	✓
Bed Exit Alert	✓	✓	✓	Staff Paging	✓	✓	✓
Smart Sensors	✓	✓		Dynamic Communication			
Medical Device Integration	✓	✓		Fire Alarm Integration	✓	✓	
Door Monitoring	✓	✓		Medical Gas Indication	✓	✓	✓
Baby Tagging & Infant Security	✓	✓		HL7 Connection	✓	✓	✓
Safety & Wellbeing				Wide Area Network-ing	✓	✓	✓
Staff Attack Alarm	✓	✓	✓ (Standalone)	Multi-site Networking	✓	✓	✓
Staff Assistance	✓	✓	✓	Engineer Support			
Door Monitoring	✓	✓		Engineer Reporting & Analysis	✓	✓	✓
Fire Alarm Integration	✓	✓		Remote Diagnostics	✓	✓	✓
Patient Experience				Remote Configuration	✓	✓	
Catering Call	✓	✓		BMS Integration	✓	✓	✓
Lighting Control	✓	✓	✓	Plant Alarm Indication	✓	✓	
Heating Control	✓	✓					
Blinds Control	✓	✓					
TV Control	✓	✓					
Patient Experience Reports	✓	✓	✓				