



umano medical

 **Umano connect**
TECHNICAL SPECIFICATIONS



With Umano Connect™, healthcare professionals can monitor essential **bed status data and events**¹ in near real-time — contributing to measurable improvements for your healthcare organization:

- Gain valuable time and enhance patient outcome
- Ensure fall prevention protocol compliance and intervene accordingly
- Simplify maintenance procedures
- Decrease bed downtimes

¹ Visual notifications only. For nurse call management, bed must be integrated with proper UL1069 compliant third-party system.

For a simplified, connected future.

TECHNICAL SPECIFICATIONS

Product model: 282-0002

Bed status data and events Brake status • Siderail position • Backrest angle • Bed height • Bed width • In-bed weight • Center of mass • Bed exit detection • Turn reminders • Lock activations • Patient risk logs • Weight logs • Inform safety message center • Maintenance errors • In-bed time history

Security & confidentiality Database and all other dependencies are integrated in the application package and deployed on-premise. PHI (Protected Health Information) is not collected through our system.

SERVER REQUIREMENTS

Database	Supported database	SQL Server 2019 (Database license is not provided by Umano Medical)
Application server requirements	Operating system	Linux Instance (Debian, OpenSUSE, Red Hat or Ubuntu) (For licensing information, consult the GNU General Public License)
	CPU	2.x GHz processor or higher with at least 2 cores
	Memory (RAM)	16 GB (dedicated)
	Hard drive	100 GB
	Certificate	PFX wildcard certificate for the server (provided by customer)
Mail server	SMTP server (optional)	SMTP server is required if the organization uses password recovery by email and/or an automatic email is sent to a support contact for locked accounts.
LDAP	Active directory (optional)	Connection details and credentials are required to integrate the Active Directory with user management in Umano Connect.

NETWORK REQUIREMENTS

Server	Deployment	Internet access is required for server deployment.	
Beds	Establishment network	Beds must have access to web application server through the organization network. The VPN cannot be installed on the beds.	
	Bandwidth requirements	Average of 500 bytes/sec per bed with peak of 5000 bytes/sec per bed	
	Wi-Fi		2.4 GHz 802.11 b/g/n (802.11n up to 150 Mbps) WPA/WPA2 authentication WPA2-Enterprise authentication supporting PEAP (MsCHAPv2), EAP-TTLS & EAP-TLS Recommended minimal RSSI level: -80 dBm
		Ethernet	10/100 Mbps
		Bluetooth low energy	2.4 GHz, BLE 4.2
Network	Bed protocol	WSS (WebSocket Secure)	
	Web protocol	HTTPS	

CLIENT REQUIREMENTS

Dashboard	Compatible web browser	Chrome, Firefox, Safari, Edge
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Umano Medical reserves the right to change specifications without notice.



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