

Tunstall



Communicall Digital

Technical Data Sheets

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Revision Table

Version/ Revision	Changes made	Date Released
V1.0	Initial Release	12/12/2024
V1.0 Revision 03012025	Updated layout	03/01/2025
V1.0 Revision 19022025	Updated layout	19/02/2025
V1.1 Revision 17042026	Added HSCU and Network Switch	17/04/2026

System Control Unit (SCU)



System Control Unit for the Communicall Digital system. The SCU is the centre of the system, it handles all alarm activity and off-site communication using BS8521-2 (NOW-IP) protocol. The SCU has 3 hardwired inputs and 2 outputs.

Power: 7.5W Nominal, 10.5W Max
Operating Temperature: 0°C to 50°C
Humidity: 0-93% RH non-condensing

SKU	Description	Dimensions	Weight	Power
96000/11 (PROD-3208)	System Control Unit (SCU)	435 x 43 x 220mm	1.2kg	24-48V DC

Hybrid System Control Unit (HSCU)



Hybrid System Control Unit for the Communicall Digital system. The HSCU is the centre of the system, it handles all alarm activity and off-site communication using BS8521-2 (NOW-IP) protocol. The HSCU has 3 hardwired inputs and 2 outputs and supports system cable speech modules.

Power: 7.5W Nominal, 10.5W Max
 Operating Temperature: 0°C to 50°C
 Humidity: 0-93% RH non-condensing

SKU	Description	Dimensions	Weight	Power
96000/18 (PROD-3232)	Hybrid System Control Unit (SCU)	435 x 43 x 220mm	1.2kg	24-48V DC

Network Switch and Cabinet



The network switch provides connectivity to VRUs and Access Points. The network switch is interconnected with a PoE injector to provide power to the connected devices.

Power: 30W Nominal

Operating Temperature: 0°C to 50°C

Humidity: 10-90% RH non-condensing

SKU	Description	Dimensions	Weight	Power
96000/09 (PROD-3162)	40 Way PoE Injector and Network switch including 6U cabinet	550x450x320	15.0kg	48V DC
96000/14 (PROD-3162 - NoEnclosure)	40 Way PoE Injector and Network switch	440 x 257 x 132	5.2kg	48V DC
96000/19 (PROD-3162 - 16NoEnclosure)	16 Way PoE Injector and Network switch	440 x 257 x 88	4.2kg	48V DC

Uninterruptable Power Supply (UPS)



Uninterruptable Power Supply: wall mounted power supply that includes battery backup to continue providing power in the event of mains failure. The UPS contains 4 x 12V 17Ah lead acid batteries.

Power: 345W Full Load

Operating Temperature: -20°C to 55°C

Humidity: max 90% RH non-condensing

SKU	Description	Dimensions	Weight	Power
96000/08 (PROD-3151)	UPS Power Supply	410 x 500 x 180mm	10kg	240V AC

Access Point (AP)



Access Point – device that allows wireless-capable (e.g. Wi-Fi) telecare devices to connect to a wired network. Multiple APs will be deployed across the site to provide the required wireless coverage.

- **MLS - Multi-LAN Switch** – supports POE in and out connections for daisy chaining power & data. A maximum of 5 units can be daisy chained over 400m.
- **MAP - Multi-Access Point** – provides Wi-Fi (system handset use only) and 869 MHz telecare coverage for CD system. Star (LAN) wired back to SCU via PoE.
- **MAI - Multi-Application Interface**. MAP wireless features plus 3 hardwired inputs, RS485 connection and mic and speaker connections for audio interfacing to e.g. Digital Door Panel or Single Button Call Point.

Nominal Power: 2.7W (MLS)

Nominal Power: 1.5W (MAP)

Nominal Power: 2.5W (MAI)

Operating Temperature:

- 0°C to 70°C (MLS)
- -20°C to 70°C (MAP and MAI)

Humidity: 0- 93% RH non-condensing

SKU	Description	Dimensions	Weight	Power
96000/04 (PROD-3142-W)	Access Point (MLS)	120 x 165 x 40mm	270g	PoE
96000/03 (PROD-3134-W)	Access Point (MAP)	120 x 165 x 40mm	270g	PoE
96000/07 (PROD-3147-W)	Access Point (MAI)	120 x 165 x 40mm	300g	PoE

Video Room Unit (VRU)



Video room unit: 7" touchscreen-based speech module. Surface or flush mounted, landscape only. The VRU has 3 universal hardwired inputs, and 2 outputs.

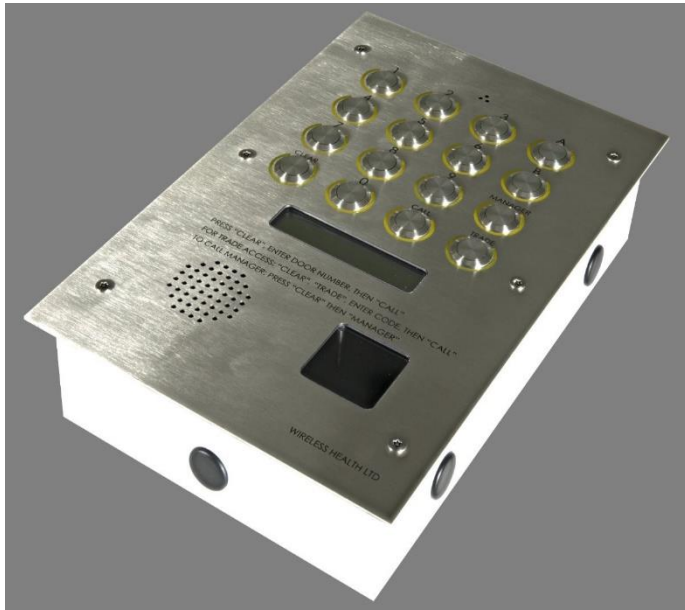
Power: 4.2W Nominal, 6.7W Max

Operating Temperature: 0°C to 60°C

Humidity: 0- 93% RH non-condensing

SKU	Description	Dimensions	Weight	Power
96000/05 (PROD-3143)	Video Room Unit	255x150x12mm	670g	PoE
96000/06 (PROD-3143-CAM)	Video Room Unit with Camera	255x150x12mm	695g	PoE

Door Panel (DP)



Door Panel: a component of the optional Door Entry capability within the Communicall Digital system. It is possible to call residents or scheme manager (or ARC) from the DP.

The door panel allows for trade PINs to be entered. The panel includes a cut out for the insertion of a 3rd party access control fob reader.

Power: 2W Nominal, 3.5W max

Operating Temperature: -20°C to 70°C

Humidity: 0-90% RH non-condensing

SKU	Description	Dimensions	Weight	Power
96000/01 (PROD-3069)	Digital Door Panel	235 x 365 x 3mm (75mm deep with backbox)	3.6kg	PoE

Single Button Call Point



Single Button Call Point – a component of the optional door entry system capability of the Communicall Digital system. It is possible to call the scheme manager (or ARC) from the Single Button Call Point.

Power: 0.3W Nominal, 1.8W Max
Operating Temperature: -20°C to 60°C
Humidity: 0-90% RH non-condensing

SKU	Description	Dimensions	Weight	Power
96000/10 (PROD-3169)	Single Button Call Point	160 x 90 x 3mm 72mm deep with backbox	1.5kg	PoE

Remote Door Controller (RDC)



Remote Door Controller: wireless device that allows the resident to answer and manage door entry calls remotely from within their residence ie; within the vicinity of the Video Room Unit.

Battery Life: Approx. 5yrs (based on 4 activations per day)

SKU	Description	Dimensions	Weight	Power
96000/02 (PROD-3078)	Remote Door Control (RDC)	50 x 75 x 17mm	38g	Battery (non-replaceable)

System Layout

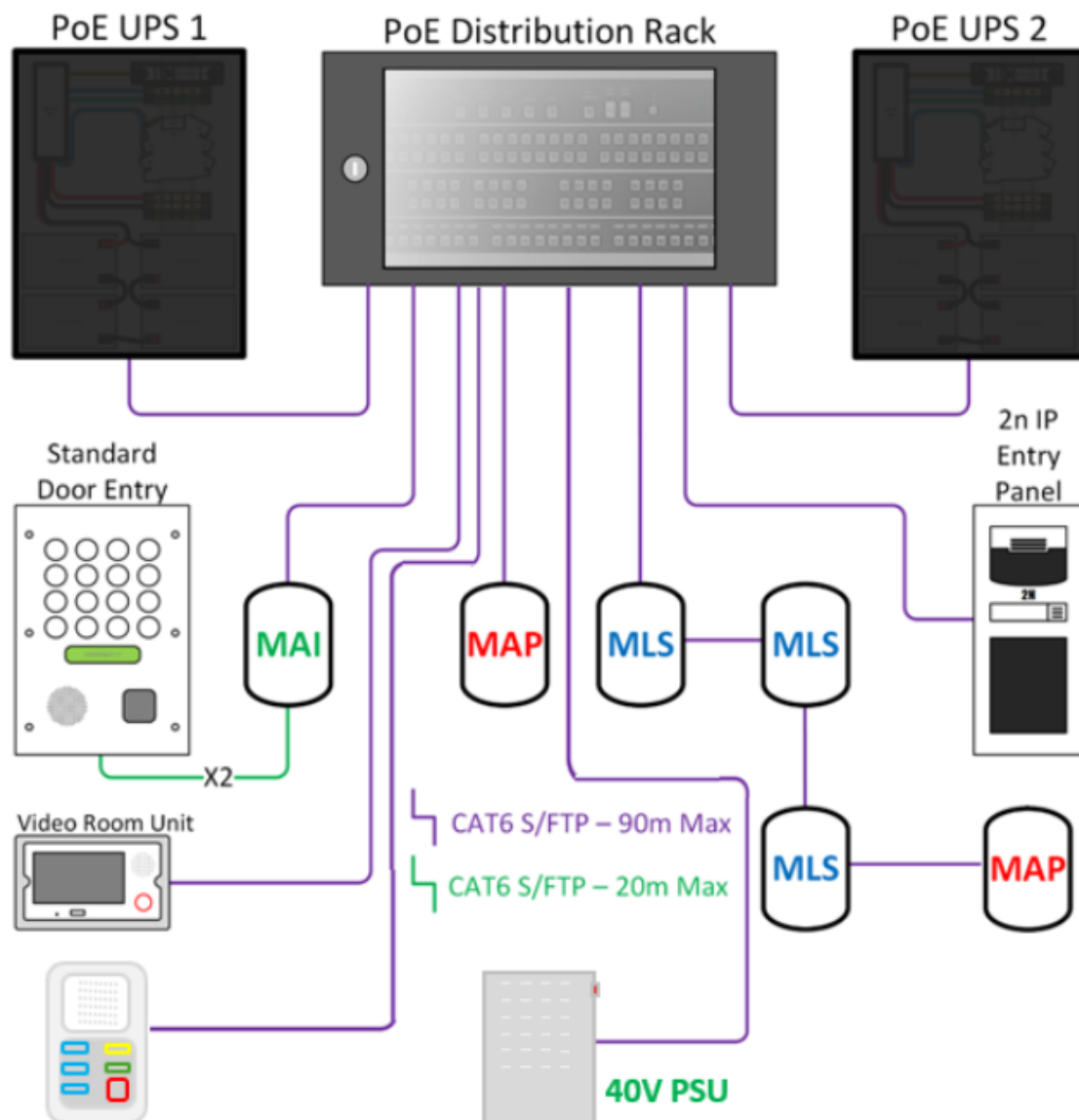


Diagram is for indication purposes only and may included items not fitted on all installations.