DCP Evo X

Product Datasheet

Bring your emergency telephone system into the digital age with the EN-81-28 compliant MEMCO Digital Communications Platform (DCP).

MEMCO by AVIRE

The DCP Evo X

Combining a mobile gateway, lift emergency telephone and M2M gateway into a single device, the DCP Evo X is the brain of your modern emergency telephone system. The latest in a line of world leading emergency telephone gateways, the DCP Evo X offers calling via both VoLTE and VoIP and introduces an RJ-45 port for Ethernet connectivity.

VoIP Powered by **NEXiiO**

FULL-TIME CONNECTION

The DCP Evo X allows for full time connection to our cloud-based monitoring platform, the AVIRE Hub. Benefits include:

- ⊘ Ensures the DCP stays connected and is accessible

- ⊘ Real-time data is available via the AVIRE Hub when connected to the Lift Controller or complementary AVIRE MEMCO products such as the Navigation Box.

ETHERNET CONNECTIVITY

The DCP Evo X features a single RJ-45 Ethernet port allowing it to act as a modem and provide internet connectivity to connected devices such as telemetry devices, IP cameras and Lift-Controllers.

DATA ENCRYPTION FOR ENHANCED SECURITY

The DCP Evo X utilises Transport Layer Security (TLS), a more secure and performant security protocol and the standard for IOT applications. This helps ensure the encryption of data traffic, safeguarding the device and your crucial data.

Included In The Box

- DCP Evo X
- Installation Guide
- 4G antenna
- Clip-On Power Supply (100-240 VAC)
- Terminal connectors
        Tip/Ring (SLIC); 2x CANBus;
        General Purpose I/O; 1x Serial Port; 24VDC
- Wall screws and plugs

DCP Evo X Specification

Power Input	24VDC ± 10%
Power Supply (External) – Model Dependant	Clip-On Power Supply (100-240 VAC)
Consumption	2.4 to 10W
Internal Battery	12V, NiMH 650 mAh
Operating Temperature	0º - 45º C
IP Rating	IP20
Dimensions	140 x 136 x 56mm (DCP Evo X) 187 x 136 x 56mm (with Clip-On Power Supply attached)
Data Network	2G; 4G
Voice Calling	2G; 4G (VoLTE); VoIP* *VoIP ready; subject to testing with customer server
Interfaces	Ethernet (RJ45 10/100 Base-T); PSTN (RJ-11); 2x CANBus; 2x Serial (RS232; RS422/485); Micro-USB; General Purpose I/O Serial port configuration dependant on model purchased See Installation Guide for performance specifications
SIM Slot – Model dependant	Single (2FF Standard) Dual (Nano)
Security	TLSv1.2, TLSv1.1, TLSv1.0
Messaging Protocol	MQTT

DCP Ordering Information

AC-ECM10-611-F-40-000	DCP Evo X (RS232 and RS485)

Optional Accessories Ordering Information

AC-ATM00-050-0-00-000	Extension antenna (5m)
AC-ATM00-150-0-00-000	Extension antenna (15m)
AC-DAP18-100-F-00-000	Digital Audio Pit Phone with Intercom functionality
AC-DAT18-120-F-0L-000	Top of Car Digital Audio Unit
MC-PNM00-100-A-00-000	Machine Room Handset

EASE OF INSTALLATION

• Remote configuration via the AVIRE Hub, AVIRE mobile app or SMS

• Built-in signal strength tester for optimal lift shaft placement

COST EFFECTIVE SOLUTION

• Multiple remote configuration options reduce on-site engineer time

• Technical and configuration calls via the data network minimise voice call costs

BATTERY BACK-UP

• Built-in battery back-up allowing for up to 3hrs** of power in the event of a power outage

*(**May vary depending on active voice calling and number of connected devices)*

MONITORING FLEXIBILITY

• Monitoring and in-life configuration via the cloud-based AVIRE Hub management platform

Find out more about our AVIRE Hub:

AVIRE HUB Lift Monitoring Software - Avire | UK (avire-global.com)

TECHNOLOGY FUTURE-PROOF

• The DCP Evo X includes the latest IoT MQ Telemetry Transport (MQTT) and Security (TLS) protocols, ensuring device longevity and stability.

BACKWARDS COMPATIBILITY

• The DCP Evo X is suitable for both digital phone solutions using a digital audio unit (DAU) and PSTN diallers, be it a MEMCO or other analogue phone

• The improved DTMF to digital conversion and support for the P100 open messaging protocol helps ensure accurate transmission of battery level and 3-day test call data between the phone and the AVIRE Hub, for both monitoring and EN81-28 compliance.

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