CORE

LINK+ / DRIVE+

ESSENTIAL INTEGRATION FOR METACENTRE CORE

Seamlessly Bridging Air Compressor Assets to Metacentre CORE.

LINK+ and **DRIVE+** are critical enablers for Metacentre CORE, ensuring seamless connectivity and fallback protection for each air compressor asset. Much like a car key is essential to start an engine, these modules are the link that allows CORE to orchestrate your compressed air system effectively.

KEY FEATURES & BENEFITS

SEAMLESS INTEGRATION:

Designed to work with a broad range of air compressors, ensuring compatibility with both fixed-speed and variable speed (VSD) types. For more complex needs requiring deeper asset-level visibility and control, users should consider **AIRMATICS** as an alternative to Metacentre CORE.

ULTRASYNC FAST-SWITCH (DRIVE+ ONLY):

Microsecond-speed switching eliminates latency between air compressor logic controllers and pressure signals, preventing false trips and ensuring uninterrupted air compressor operation. If a fault occurs, UltraSync automatically reverts pressure signals to local, preserving system integrity.

FAIL-SAFE DESIGN:

Provides fallback protection to prevent air compressor downtime in case of faults.

SUPPORTED SELF-INSTALLATION:

While basic electrical skills are required, extensive online support content is available to guide installers.

OPTIONAL INSTALLATION ASSISTANCE:

A paid service is available where users can submit air compressor electrical diagrams and receive a custom interconnection guide for easier installation.

SMART COMMUNICATION:

RS485 daisy-chain connection ensures reliable, low-latency data transfer to CORE.

APPLICATION USE

REAL-TIME STATUS & CONDITION MONITORING:

LINK+ and DRIVE+ transfer key state and condition data, making it available to CORE, CORE's UI, a LAN, and - if **CLOUD+** is enabled - remotely.

SEAMLESS VSD INTEGRATION:

DRIVE+ enables integration with variable-speed compressors that use 4-20mA or voltage-based pressure sensors, ensuring compatibility with a wide range of air compressor models.

BUILT-IN DIAGNOSTIC LEDS:

Local status indicators assist with installation and troubleshooting, providing clear feedback during setup and oversight.

Visit us at **www.metacentre.eu** to learn more.

EMPOWERING THE COMPRESSED AIR USER.

METACENTRE

REASSURING RELIABILITY WITHOUT COMPLEXITY

LINK+ and **DRIVE+** don't require major electrical modifications or complex programming—just reliable integration with your existing air compressor assets. Designed to be intuitive and supported with expert guidance, these modules provide the essential foundation for Metacentre CORE orchestration.

INSTALLATION & COMPATIBILITY

MOUNTING: 35mm Top Hat DIN Rail (inside air compressor's electrical cubicle or optional external enclosure).

POWER REQUIREMENTS: 100-240V, 50 / 60Hz, AC (handles both neutral and no-neutral air compressor electrics).

AIR COMPRESSOR COMPATIBILITY:
Fixed-speed (LINK+),
Variable Speed (DRIVE+).

CONNECTION: RS485 daisy-chain.

TOOLS NEEDED: Standard electrical tools, tri-rated 0.5-1.0mm^2 cable.

SUPPORT: Comprehensive online guides and paid assistance service available for custom interconnection guide conversion.

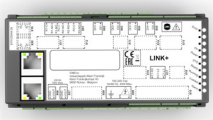
TECHNICAL & INSTALLATION DETAILS

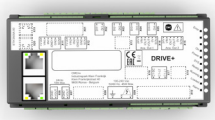
LINK+ (FIXED-SPEED AIR COMPRESSORS):
Handles condition and status signals, ensuring smooth operation and reliable fallback if CORE is unavailable.

DRIVE+ (VARIABLE-SPEED AIR COMPRESSORS):
Directly integrates with the VSD air compressor, adjusting speed and ensuring precise utilisation.

SYSTEM COMMUNICATION:
Uses an RS485 daisy-chain to connect up to six air compressor assets (fixed-speed, VSD, or any mix) to Metacentre CORE efficiently, ensuring synchronized operation and seamless data exchange.

TECHNICAL SPECIFICATIONS





Feature	LINK+	DRIVE+
Air compressor asset	Fixed Speed	Variable Speed
Ultrasync Fast Switching	N/A	Yes
Fallback Protection	Yes	Yes
Communication	RS485 daisy-chain	
Ingress Protection	IP20	
Mounting	35mm Top Hat DIN Rail	
Dimensions (mm)	161.5 (W) x 86.5 (H) x 79.5 (D)	Module: 161.5 (W) x 86.5 (H) x 79.5 (D) Ultrasync: 31 (W) x 100 (H) x 120 (D)
Dimensions (inch)	6.35 (W) x 3.40 (H) x 3.12 (D)	Module: 6.35(W) x 3.40(D) x 3.12(H) Ultrasync: 1.22 (W) x 3.9 (H) x 4.7 (D)
Weight	450grams (15.8 ounces)	
In the box	Link+ module	Drive+ module, Ultrasync fast switch

KEY CONSIDERATIONS FOR INSTALLERS

- **Basic electrical knowledge is required -** this is not a plug-and-play device!
- **An air compressor wiring diagram is necessary** for proper integration
- **Local electrical regulations must be followed,** including correct fusing and safety protocols

Visit **metacentre.eu** to learn more or call:

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