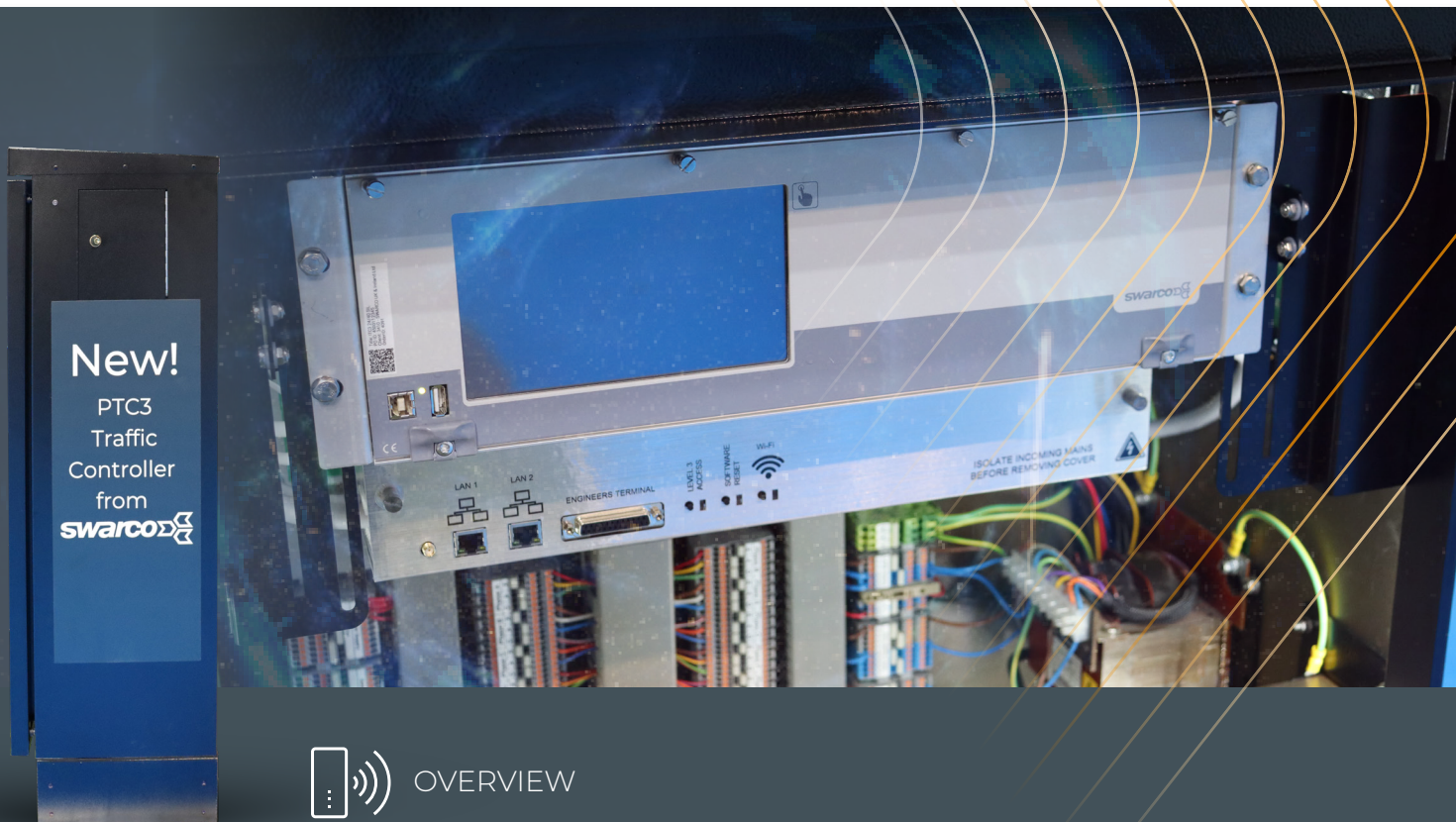


SWARCO

# PTC3 CONTROLLER



The SWARCO PTC3 Controller family builds on the legacy and provenance of the PTC-1 Controller, coupled with the class leading performance of the SWARCO ITC-3 hardware platform.

By porting over the proven and intuitive PTC-1 Controller software onto the established ITC-3 hardware platform, the PTC3 Controller family matches intuitive and user friendly software with the worlds most advanced controller platform.

With sales of the ITC3 Controller platform in over 50 countries worldwide, including Middle East, South America & Scandinavia, the PTC3 Controller has been designed and tested to meet the harshest environmental conditions. Cyber security approval, also ensures the PTC3 Controller is secure by design, against potential cyber security threats.

## PRODUCT FAMILY & UPGRADES.

Available in both large and small cabinets, the PTC3 Controllers retain the same physical dimensions as its predecessor. This approach allows for product upgrades, without the need to replace the Controller plinth – helping to reduce both cost and environmental impact.

## KEY BENEFITS TABLE

- Full configuration compatibility with PTC-1 Controller.
- Hardware fully programmable. No 48V 230V, LED or Halogen lamp card variants.
- Optional touchscreen user interface, incorporating in-built mimics & site-layout.
- Integral Loop Detection.
- Enhanced powerful processor – future proofed for expansion, with auxiliary expansion processor available to expand yet further.
- Cyber Security protected.
- Tested to enhanced temperature range. Future proofed for a changing climate.
- Connection to MyCity for Remote Monitoring (RMS) & Traffic Management System (TMS)
- Integrated CCAM support
- Integral Chameleon to support UG405, RMS, MOVA & RTIG
- Future integration with ImFlow & SmartAI; adaptive traffic algorithms
- Supports distributed IO & Loop terminations for semi-distributed installations.
- Expansion / Termination cabinets available.
- Direct interfaces for Magnetometers & AI cameras.
- Wi-Fi enabled for ease of maintenance & configuration
- Direct monitoring of Pedestrian & Cycle signals



## TECHNICAL DETAILS

<b>Product Variants</b>	PTC3 Large Case 3 – 36 Phases PTC3 Lite Small Case 3 – 12 Phases Expansion / Termination Cabinet
<b>Dimensions &amp; Weights</b>	PTC3: Height – 1185, Width 740mm, Depth 432mm PTC3 Lite - Height – 985, Width 740mm, Depth 432mm Complete plinth compatibility with PTC-1 family Controllers  Approximate Weight PTC3 12 Phase, 16A Dimming Transformer – 75Kg Approximate Weight PTC3 Lite 6 Phase, 8A Dimming Transformer – 60Kg
<b>Electrical</b>	Mains Supply: 230V -13% - +10% 50/60Hz +/- 4%  Lamp Outputs: 48V / 230V AC 2 Amp per Output  Maximum Switching Capacity 500VA @230 VAC
<b>Phases, Stages &amp; Streams</b>	Signal Phases PTC3: 3 – 36 (In 3 Phase increments) PTC3 Lite: 3 – 12 (In 3 Phase increments) Stage Streams: 8
<b>Modes of Operation &amp; Facilities</b>	Manual CLF (Up to 32 CLF plans, 64 groups per plan) Fixed Time Vehicle Actuated (VA) MOVA (MOVA M8 Integrally) Alert+ RMS (fully compatible with SWARCO MyCity) ImFlow UTC SA/SDE Part Time Pelican, Puffin, Toucan PSVP
<b>IO &amp; Loop Capabilities</b>	TBC
<b>Product Certifications</b>	TOPAS 2500B (Pending) EN 12675: Traffic Signal Controller, Functional Safety Requirements EN 50293: Road Traffic Signal Systems, Electromagnetic Compatibility EN 50556: Road traffic signal systems EN 62368: Information Technology Systems, Safety CE & UKCA Marked (Includes EMC, LVD & RED / RER) RoHS compliant
<b>Environmental Ratings</b>	-15 - +75 °C
<b>Display Options</b>	Touchscreen or Mimic display
<b>Communications</b>	RS232 (engineers handset Port) Ethernet USB Wi-Fi enabled