GraL
Loading Terminal

GraL (Graphical Loading) is Loginet's loading terminal designed to automate the loading bays.

It is fully capable of managing fluid delivery and controlling multiple flow meters, even from different suppliers. The requested quantities, individual presets, delivered quantities, and error/warning messages are automatically processed by GraL and displayed on a single interface.

Its highly flexible configuration makes GraL adaptable to third-party TAS systems, as an integral part of Loginet's Nuovo Petrol or as a stand-alone bay controller.

Graphical Interface for Self-Loading Operations

Augmented Visibility and Control of all Loading Workflow and Bay Status

EXd II B Atex Certified

Features

- Simultaneous control of up to 6 loading arms
- Management of additives, denaturing, and blending
- I/O management for automatic control of field devices (overload protection, grounding systems, vapour recovery arm)
- Customizable delivery logics and controls
- Remote control via TCP or RTU connection
- Hardware self-diagnostics and alarm management
- Management of loading bay traffic lights

loginet
fluid logistics

Loginet, the leading Italian company for loading automation systems

www.loginet.it

Loading Bay Terminal GraL

General Specifications

Enclosure rating	IP65
Protection mode	Exd IIB ATEX
Enclosure material	Aluminium
Operating temperature	- 25 ° C to + 55 ° C
Storage temperature	- 40°C ÷ + 65°C
Dimensions (D x W x H)	470 x 670 x 240 mm
Weight	40 Kg

Technical Specifications

CPU	Integrated industrial PC based on Windows CE .Net 6.0 CPU x86 800 Mhz 256MByte RAM
Communication interfaces	1 Ethernet port 10/100 Mbps 6 serial lines RS 232 1 serial line RS 422/485
I/O Board	16 Digital I/O integrated (extensible)
Keyboard	Capacitive digital control keyboard with 22 numeric-functional keys
Display	15'' LCD high brightness color display
Badge Reader	Radio card and MIFARE technologies. Compliant with ISO7816 standard.