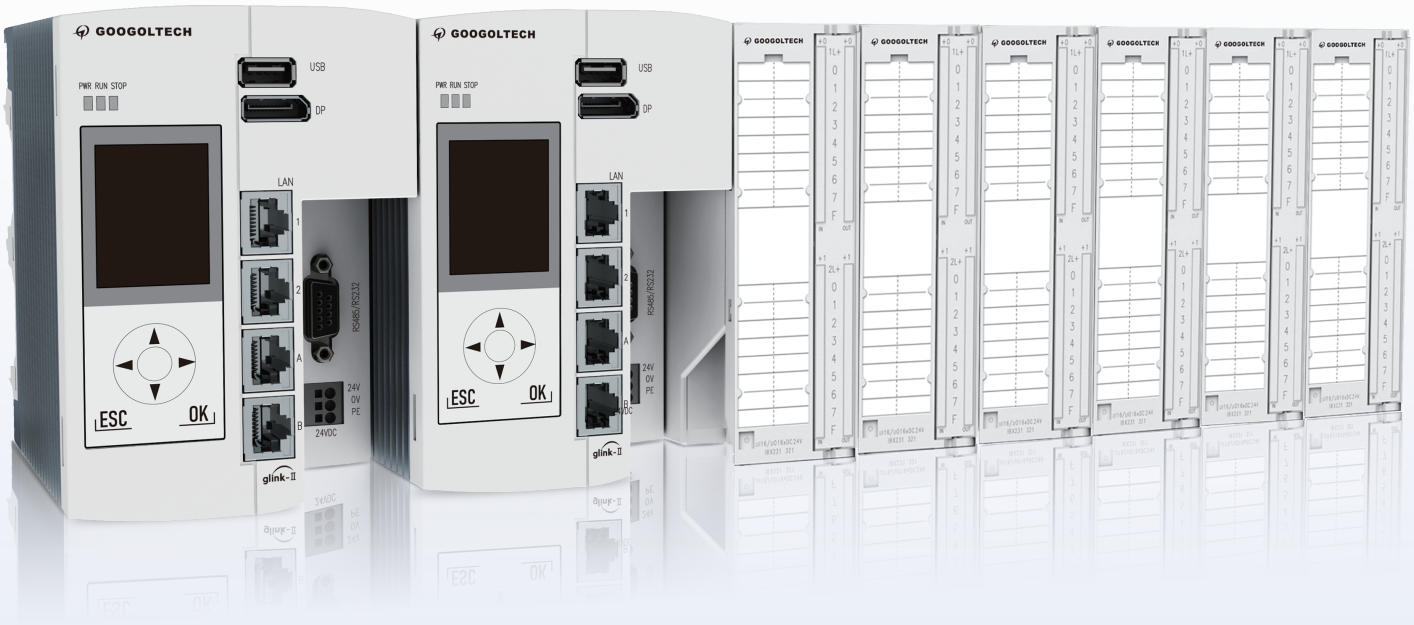
GOOGOLTECH

New Generation Intelligent Controller

GDB3 Hot Standby/Redundant PLC



Modularized intelligent control system that integrates logic control, motion control, Hot Standby/redundant control, and internet technology

Extensible

- **gLink-II gigabit net ring network**
  - Realizes 12-48 axes hard real-time high speed motion control, control cycle 250us to 1ms
  - Supports motion control functions of point-to-point, Jog, electronic gear, electronic CAM, 4-axis linear interpolation, 2D/3D arc interpolation, helical interpolation, tool direction follow, speed look-ahead, etc.
  - Powerful I/O extension function, supports 2048 I/O points
  - Supports high speed data synchronization, hot standby, controller redundancy among host stations
- **Super-EtherCAT**
  - Realizes 64 axes hard real-time high speed motion control, control cycle 1ms
  - Supports motion control functions of point-to-point, Jog, electronic gear, electronic CAM, 4-axis linear interpolation, 2D/3D arc interpolation, helical interpolation, tool direction follow, speed look-ahead, etc.
  - Powerful I/O extension function, supports 65535 I/O points
  - Built-in UPS, supports power failure data saving

※ Provides customized service

Abundant Communication Interface

Supports gLink-II, EtherCAT, Modbus (RS232/485), Ethernet, USB, etc. communication interface

Fanless Design

Excellent performance of die-casting aluminum alloy cooling side plate

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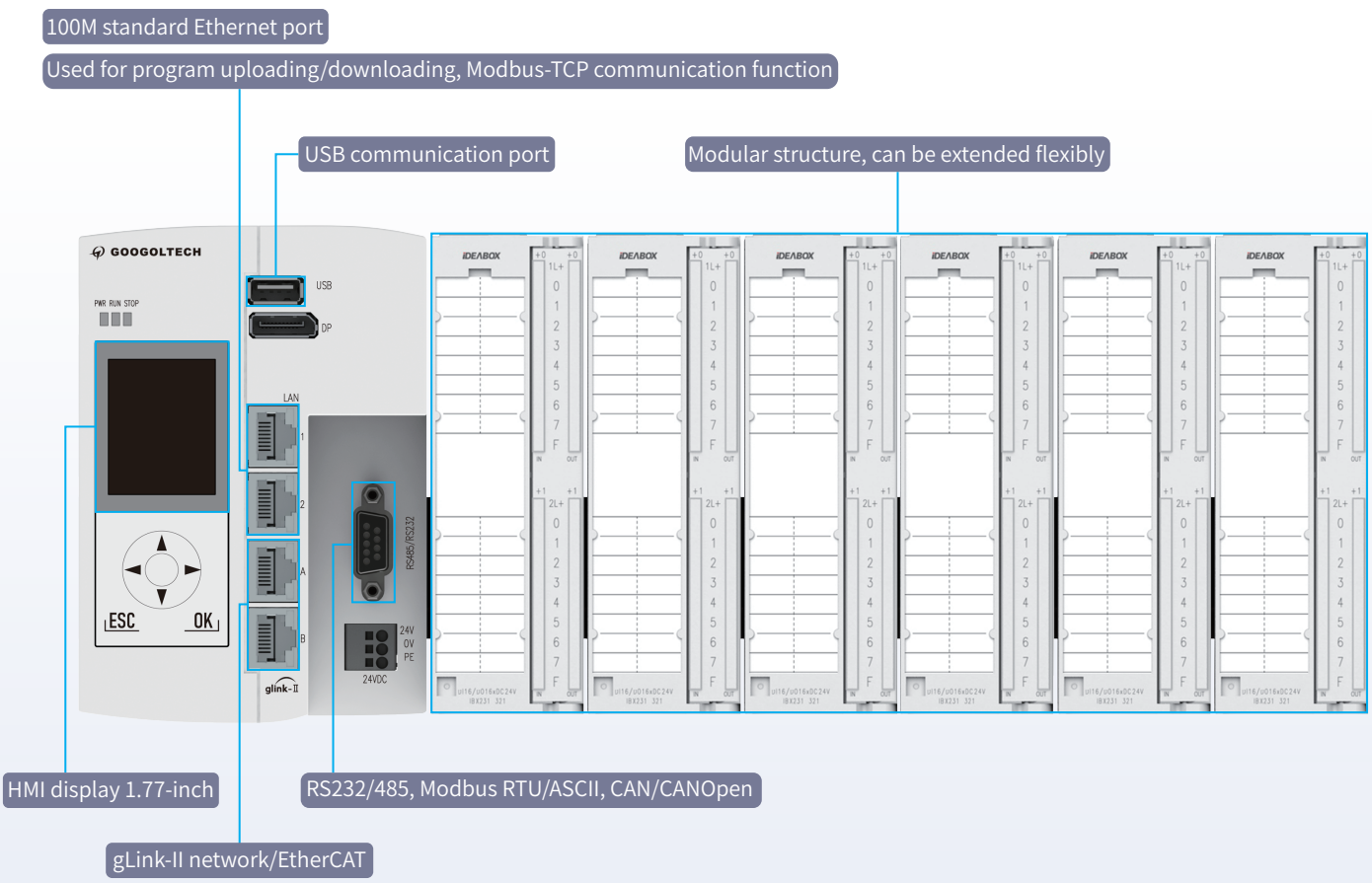

Software Platform Technology

Integrates programmable logic control of IEC61131-3, PLCOpen motion control function block, and machine vision processing function block

Real-time/Fieldbus System

Real-time OS optimization technology based on Linux, gLink-II, EtherCAT, Profinet, CANOpen, Ethernet IP, Modbus TCP/RTU

Core Technology

Inter-connectivity

Device layer, OPC UA protocol, data interactive interface facing the IT layer, mainstream industrial cloud supporting MQTT protocol to realize interconnection

Special requirement

Targets to PLC special industry fields, dual-machine hot standby, redundant, safe PLC, etc. modules development

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