

PRODUCT LIST

Ethernet PLC

Model	Power	Inputs	Outputs
ELC-12AC-R-N	110-240V AC	8	4 Relay (10A)
ELC-12DC-DA-R-N	12-24V DC	8 (4 analog - 0-10V)	4 Relay (10A)

*HSI - High Speed Inputs *HSO - High Speed Outputs

No HSI	No HSO	Up to 8 Modules	Ethernet
2x60kHz HSI	No HSO	Up to 8 Modules	Ethernet

GSM GPRS (4G) PLC

Model	Power	Inputs	Outputs
EXM-8AC-R	110-240V AC	6	2 Relay (10A)
EXM-8DC-PT100-R(-4G)	12-24V DC	2 + 2 analog PT100	4 Relay (10A)
EXM-12DC-DA-R(-4G)	12-24V DC	8 (4 analog - 0-10V)	4 Relay (10A)
EXM-12DC-DAI-R(-4G)	12-24V DC	6 (4 analog - 0-10V) + 2 analog 0-20mA	4 Relay (10A)
EXM-12DC-DA-R-N(-4G)	12-24V DC	8 (4 analog - 0-10V)	4 Relay (10A)
EXM-12DC-DA-R-VN	12-24V DC	8 (4 analog - 0-10V)	4 Relay (10A)

*HSI - High Speed Inputs *HSO - High Speed Outputs

No HSI	No HSO	Up to 8 Modules	GSM GPRS		
No HSI	No HSO	Up to 8 Modules	GSM GPRS		
2x60kHz HSI	No HSO	Up to 8 Modules	GSM GPRS		
2x60kHz HSI	No HSO	Up to 8 Modules	GSM GPRS		
2x60kHz HSI	No HSO	Up to 8 Modules	GSM GPRS	Ethernet	
2x60kHz HSI	No HSO	Up to 8 Modules	GSM GPRS	Ethernet	Audio Output

WI-FI PLC

Model	Power	Inputs	Outputs
EXM-12DC-DA-RT-WIFI	12-24V DC	8 (4 analog - 0-10V)	2 Relay (10A) + 2 Transistor
EXM-12DC-DA-RT-(-4G)GWIFI	12-24V DC	8 (4 analog - 0-10V)	2 Relay (10A) + 2 Transistor

*HSI - High Speed Inputs *HSO - High Speed Outputs

2x60kHz HSI	2x1kHz HSO	Up to 8 Modules	No GSM No GPRS	Ethernet	Wi-Fi
2x60kHz HSI	2x1kHz HSO	Up to 8 Modules	GSM GPRS	Ethernet	Wi-Fi

Customer Application

- Security Alarm System applications
 - Supervision and monitoring alarm systems
 - Automatic monitoring system
 - Pumping Stations
 - Buildings and Real Estate
 - Weather Stations
 - River Monitoring and Flood Control
 - Oil and gas pipelines
- Corrosion protection
 - Valve controls
 - Wellheads
 - Energy saving,street lights control system
 - Tanks, levels, temperatures,water leakage applications
 - Transformer stations
 - Unmanned machine rooms

Extension Modules

EXM-E-8AC-R	4 digital inputs and 4 Relay Outputs (2x3A + 2x10A)
EXM-E-AI -I	4 analog inputs (0/4-20mA)
EXM-E-PT100	2 analog inputs (thermoresistor PT100)
EXM-E-AQ-V	2 analog outputs (0-10V)
EXM-E-AQ-I	2 analog outputs (0/4-20mA)
EXM-E-8DC-DA-R	4 digital (4 analog - 0-10V) inputs and 4 Relay Outputs (2x3A + 2x10A)
EXM-E-RS485	Additional RS485 Port

Accessories

PR-COPIER	PR-COPIER can be used to save user program and download program into CPUs.
PR-BATTERY	Battery for RTC (backup 3 years)
PR-MEMORY	For Data Logging on a microSD Card
PRO-RS485	Converter Universal Port -> RS485 Port
RS232 Cable	Cable RS232 -> micro PLC. RS232 Cable can also be used as connection cable between Micro PLC and Modbus devices
USB Cable	Cable USB -> micro PLC

Service and Customer Support

Our customers can count on Rievtech support throughout the service life of every product:

- Technical Support
- On-Site Support
- Tutorial Materials
- Local Support (Application Expertise)
- R&D Support

International Acceptance



Remote Access and Control • Easy to use • Economical

xMessenger
REMOTE PLC

Ethernet PLC



Wi-Fi PLC



GSM GPRS (4G)
PLC



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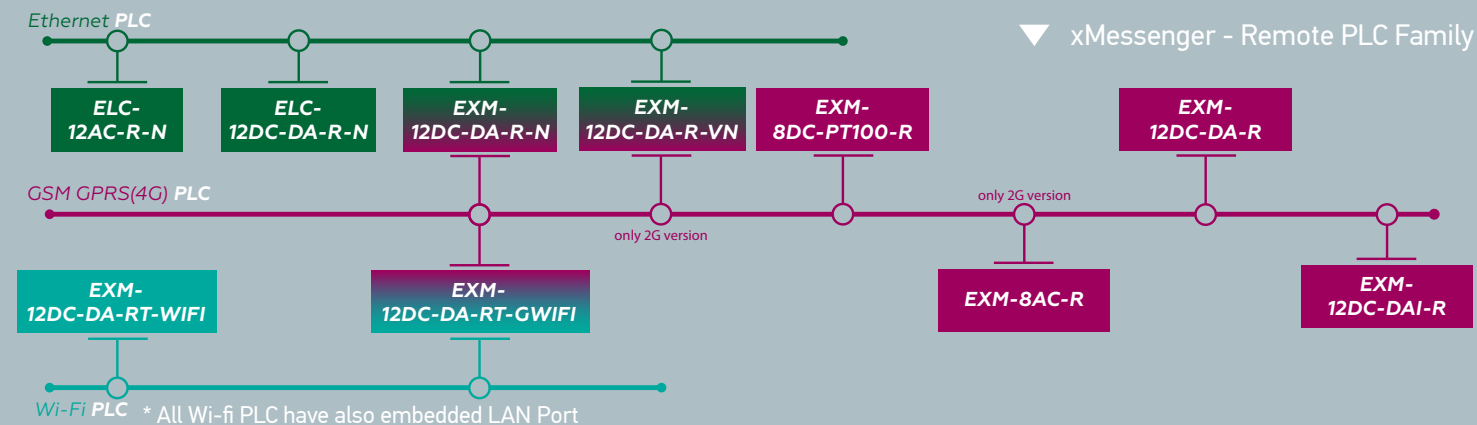
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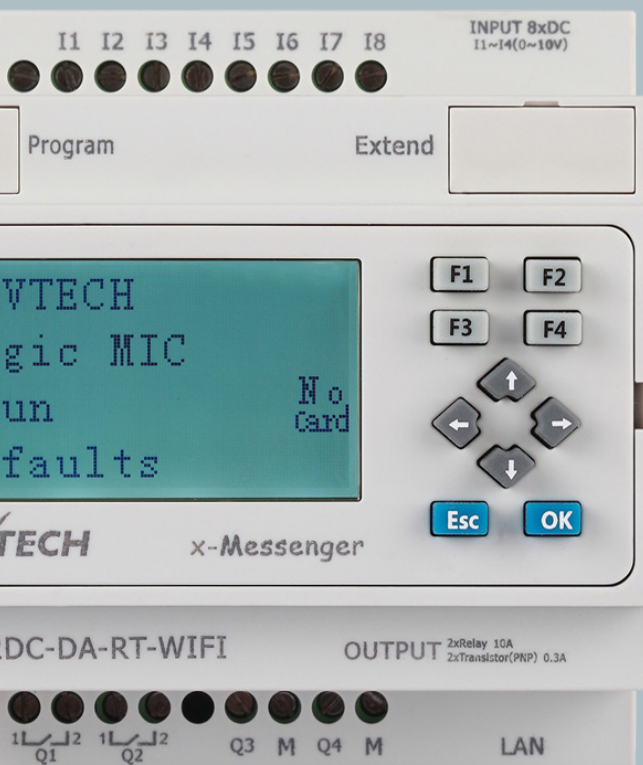
REMOTELY MONITOR, MANAGE AND CONTROL YOUR APPLICATION

More and more automation application are being handled via remote communication, whether it's from the office or from the comfort of your own home. Rievtech Messenger remote PLCs give you the ability to access your control system to handle such tasks as monitoring to determine the condition of a machine or check other statistics, control, update your process control system, get instant notification of any kind of fault event and more. With the latest our remote PLCs, almost anything that can be accomplished next to the machine can be accomplished wherever there is an Internet connection (via either Ethernet or Wi-Fi or GPRS (4G)).



Remote PLC Highlights

- Real Time Clock (RTC) with Backup
- Over 60 ready-to-use configurable logic functions.
- Data logging (SD card socket built-in/ optional accessory).
- LCD 4-lines, 16-character per line with backlight and keypad
- Expandable up to 40DI/36DO, 36AI/36DO
- Program memory - 512 Functional Blocks
- High speed inputs (up to 60 kHz) for DC models
- Standard Modbus RTU/ASCII/TCP communication protocol supported
- Support Client and Server modes
- Serial COM ports: RS232 and RS485 (optional)
- For GSM PLC:**
 - GPRS (4G), SMS, Email and CLIP support
 - Parameters in the program changing by means of SMS via cell phone
 - Remote configuration via GPRS and user friendly eSmsConfig software
 - IO status, alarming message includes counters, analog values can be directly sent to Users
 - Audio output interface optional for EXM-12DC-DA-R-VN.



ETHERNET PLC

Ethernet is the fastest growing segment of industrial networking, allowing reliable access-from-anywhere capability and easy remote-data archiving. Now you can monitor status in real-time, receive email alerts and control processes. Using the Modbus TCP protocol (Client or Server Mode), Ethernet PLCs will easily integrate into existing networks and provide a simple, cost effective solution for your application.

SMS TRANSMISSION FUNCTION
GSM PLC Users can conveniently control the system and receive information through any SMS text messaging device. You can:

- Request system parameters status
- Change values and bits
- Get alarms and system status alerts and more over...

"Alert! High Temperature"

E-MAIL TRANSMISSION FUNCTION
E-mails can be sent to preset addresses when alarm are issued or lifted. Addresses can be set for each type of alarm. You can instantly be notified if any abnormal conditions occur. Or simply have the PLC configure and send daily operational status updates.

FREE SCADA - easyScada

- Manage multiple sites, equipment and users
 - Visualize data from remote installations
 - Manage alarms and events
 - Analyze trends and performance
- Connect your SCADA to your remote sites. easyScada provides drives for direct communication with PLCs project. PR and EXM series CPU via RS232, RS485, Ethernet/GPRS(4G). Available protocol is MODBUS RTU/TCP. easyScada provides abundant resources. The picture library of easyScada includes 3D indicator light, 3D button, television, 3D tank, 3D pipe, electron, bars, and the like. easyScada also provides controls that have abundant functions, such as trend diagram and alarming controls and the like, meeting the requirements of various configurations.

LIMITLESS APPLICATIONS WITH GSM PLC

If your system is located in a remote, unpopulated area where a simple internet connection isn't available, monitoring equipment spread across a large geographic region can be difficult. Rievtech GSM PLCs have been installed in various applications where they provide seamless communications to your servers or central office.

Critical information can be remotely accessed 24/7, even in systems deployed in remote and unpopulated areas where internet service is not accessible.

GSM PLC can be programmed remotely by sending an SMS from an authorized mobile phone with GPRS(4G) parameters. And you can connect the GSM PLC to msConfig for remote configuration.

Remote Access allows you to:

- Troubleshoot and program PLCs remotely
- View and control your remote PLCs
- Connect to a camera for assistance

Advantages of GSM communication

GSM networks are globally available
All applications are easy to configure
Use of the global Internet infrastructure
No telephone connections or lines required

WI-FI + ETHERNET PLC

Ideal solution for those projects that require Ethernet connectivity, but require this to be wireless as well, then our range of Wi-Fi PLC may be just the solution.

- Support 802.11b/g/n wireless standards
- Support TCP/IP/UDP network protocols
- Support work as STA/AP mode
- Support Router/Bridge mode networking
- Support Friendly Web Configuration Page (and also can be configured with eSmsConfig).
- Support Palmodic Signal, WIFI connection instruction Outdoor 100m with 3dBi antenna and indoor 40m;

Wifi plc is a reliable and cost effective alternative to new cable paths for remote control technology, particularly when installing new system parts or replacing defective communication cables.

Safe and fast data transmission even in difficult industrial environment.

Monitor and control your application from your smartphone or tablet.

The free of charge xLogic App enables you to monitor actual process values of your remote PLC application with a Android smart phone via WLAN or Internet. It allows to switch digital signal (digital flag, outputs) and adjust analogue values (analog outputs, analog flags, REGs). Supported will be the WLAN connection to a Ethernet module via IP address typically or Dyn DNS-names which are used in Internet. xLogic App is a convenient way to control and monitor your PLC from your smartphone!