The BF430 is a RS232/RS485 to TCP/IP converter integrated with robust system and network management features. It is designed for use with industrial equipment and easily accessed controlled via intranet or internet. With integration to real time operating system and complete TCP/IP protocol stack capability, the BF430 provides a highly robust and high performance system that connects easily to any network including the internet. Installation of the BF430 is easy with the use of pluggable connectors.
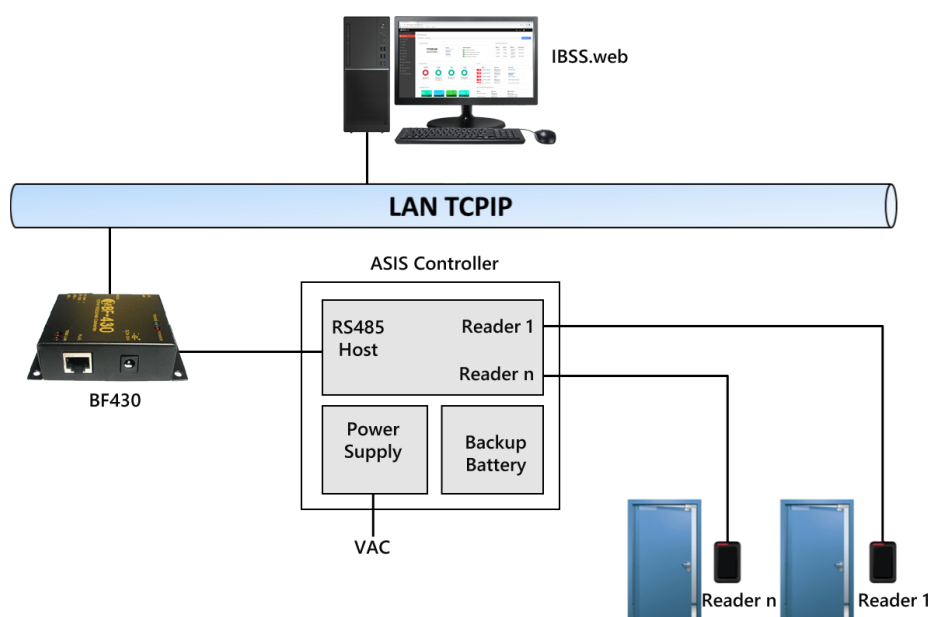
The BF430 web-based configuration is easy to use and operate, and is totally independent of the operating system platform used.

Key Features

- TCP/UDP server/client support TCP server, UDP server, TCP client & UDP client
- DHCP client (Dynamic Host Configuration Protocol)
  - Automatically obtains the TCP/IP configuration (IP address, IP default gateway and DNS server) at start-up from a centralized DHCP server
- Point-to-Point Protocol over Ethernet
  - PPPoE is a protocol for remote hosts connection to the internet over DSL connection by simulation dial-up operation format
- Dynamic DNS
  - With dynamic DNS support, a static hostname alias for a dynamic IP address is possible
  - Easy host accessibility from various locations via internet
- Auto negotiating 10/100 Mbps Ethernet
  - Automatic detection of Ethernet interface on 10 or 100 Mbps Ethernet
- Full Network Management via Web
  - Allow access or manage device through web browser
  - Upgrade of firmware via web browser
- Backup and Restore configuration

Schematic Diagram

Technical Specifications

Specifications*	BF430
Description	100BaseT to RS485 Converter
Ethernet	One 10/100BaseT (Half / Full Duplex)
Serial	One RS232/ RS485 Hardware Select
RS232 Serial	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS485 Signal	Data +/-
Memory	256KB ROM & 768KB SDRAM
Watchdog	Yes
Speed	1200bps—230.4kbps
Connector Type	DB9 (Female)/ RJ45
Parity	None, Event, Odd, Mark, Space
Data Bits	5, 6, 7, 8
Stop Bits	1, 2
OS Support	Windows 98 / 2000 / XP / NT
Power Requirements	9 ~ 30 VDC, 300-500mA
Operating Temperature	0˚C to 65˚C
Regulatory Approval	FCC, CE
Dimensions (L x W x D)	93 x 67 x 22mm

Specifications are subject to change without prior notice

Ordering Information

Model No.	Description
BF430	100BaseT to RS485 Converter - 1x RS485 ports, up to 32 units of ACU200 - 1 fixed IP address per unit required