Subnet16™ Hub with Four Industrial I/O
HUB-04-TCP/IND-01

FEATURES

Two models:
- HUB-01-TCP-01
- HUB-01-IND-01

Commercial Ethernet (TCP/IP)
Industrial Ethernet
(Ethernet/IP, Modbus TCP)

4-Subnet16™ ports
4-Digital inputs
4-Digital outputs

Automatic node assignment
Automatic controller configuration

Monitors node status and Subnet16™ activity

Power distributed over Subnet16™ Network

FOR USE WITH
Cobalt HF™ Series controllers/antennas

Integrating RFID data into any Ethernet host including industrial Ethernet IP and Modbus TCP PLC’s; the Hub communicates with up to four controllers on a Subnet 16™ network. The unique combination of microprocessor control, C-Macro™ commands and local I/O allows intelligence to be driven down to the RFID hardware level. Integrators and end users can reduce their network traffic by building in intelligence at the RFID controller level eliminating unnecessary network traffic between reader and host.

Each Hub is assigned a unique network address and automatically assigns the individual reader/controllers node addresses. Power supplied to the Hub is automatically distributed to the controllers on the network eliminating the need for individual power supplies for each controller.

Each controller and Hub is microprocessor controlled allowing sophisticated features like plug’n’play addition and replacement of controllers from the network. The same microprocessor supports the creation of C-Macro™ on the C-Macro™ editor for each controller giving the integrator a unique and powerful tool for application building. Local functions such as light trees, fast response error detection and servo actuation can now be driven completely from the Hub without host communication delays.

The Hub features 20 LED’s providing quick visual information on Hub operations including four inputs, four outputs, power, communications errors and node activity. The Hub is available in two different models; the HUB-01-TCP-01 supports Ethernet and the HUB-01-IND-01 supports industrial Ethernet standards including Ethernet IP and Modbus-TCP.

SPECIFICATIONS
Communications Interfaces
Output-Ethernet, Ethernet IP, Modbus TCP
Input-Subnet16

Data Transfer Rate
10/100mb Ethernet
9600~115K Baud Subnet16

I/O Rating
Input: 4.5VDC~30VDC, 25mA Maximum
Output: 0~30VDC, 500mA Maximum

Operating Temperature
0° to 50°C (32° to 122°F)

Storage Temperature
-20° to 70°C (-4° to 158°F)

Vibration Resistance
IEC 68-2-6 Vibration sine

Shock Resistance
IEC 68-2-27 Shock

Humidity
90% Non-Condensing

Dimensions
18.5cm x 8.9cm x 3.2cm

Weight
.48 KG (1.05LBS)

Enclosure Protection Class
IP31

Stainless Steel 304 (18-8)

Voltage Rating
20-30 VDC

Power Rating
24VDC, 250mA

Connector
5-pin

LED Status Indicators
21 LEDs indicating power, bus, error, tag/controller/I/O presence

ESCORT MEMORY SYSTEMS . 170 Technology Circle, Scotts Valley, CA 95066 USA . 800 626 3993 www.ems-rfid.com
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APPLICATIONS
Material Handling
Work-in-Progress
Monitoring
Quality Control

ACCESSORIES
Cables and Power Supplies
See product manuals available on our website:
www.ems-rfid.com

NETWORK DRAWING

MECHANICAL DRAWINGS

RFID AT WORK™
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