

Ethernet to Wiegand Converter

MA6020 is an Ethernet to Wiegand converter. Badge no from 24-bit up to 64 bit can be encapsulated in UDP packets and sent to the remote MA6020 through Ethernet. On receiving the UDP packet, the remote MA6020 will automatically extract the badge no from the received UDP packet and convert to Wiegand bit streams.

The MA6020 accepts 12V DC power supply. There are two on board relays, two inputs, two LED indicators, one for power status and the other one for communication status between the host and the MA6020. Commands can be sent to the MA6020 through Ethernet interface to control on board relays.

UDP packet format is provided for sending badge no to MA6020.



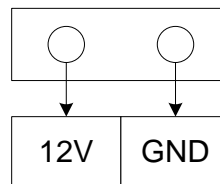
1. Connectors:

There are total 7 pluggable connectors and 1 RJ45 connector located on the MA3000 board serving different functions as described below.

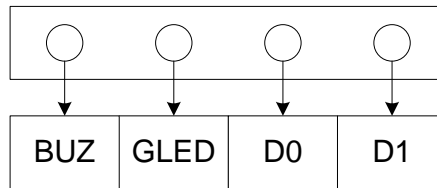
Connector Symbol	Description
J1	12V DC Power Supply
J2	Wiegand Reader Port
J3	Relay 1
J4	Relay 2
J5	Input 1
J6	Input 2
J7	Not used.
RJ45	Ethernet port

1.1 Connector J1

Connector J1 Port Assignment	
Designator	Description
12V	12V DC Power Supply In
GND	Power Supply Ground



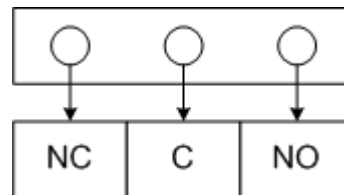
1.2 Connector J2



Connector J2 Port Assignment	
Designator	Description
D1	Wiegand Data 1
D0	Wiegand Data 0
GLED	To Reader G LED (Wiegand Data 1, output)
BUZ	To Reader BUZ (Wiegand Data 0, output)

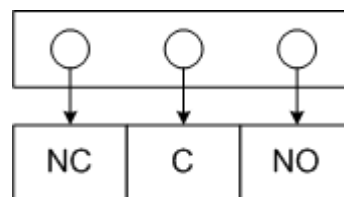
1.3 Connector J3

Connector J3 Port Assignment	
Designator	Description
NC	Normally Close
C	Common
NO	Normally Open



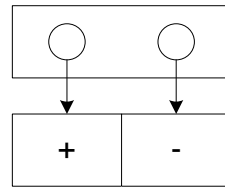
1.4 Connector J4

Connector J4 Port Assignment	
Designator	Description
NC	Normally Close
C	Common
NO	Normally Open



1.5 Connector J5

Connector J5 Port Assignment	
Designator	Description
+	Dry contact input
-	Dry contact input



1.6 Connector J6

Connector J6 Port Assignment	
Designator	Description
+	Dry contact input
-	Dry contact input

