



ICPM Connector Pin-Out:

Note: The ICPM is used in the Rubicon's RPB24A, RPB-16A, & RPB-8A, the Rubicon SL's RSLPB16A & RSL-PB16A, the Rubi-T's TP-ICM8L, and the CP-16 rack mount panel.

| 9-PIN D (J4) | DESCRIPTION |
|---------------------|------------------------------|
| 1 | Power ground |
| 2 | Power ground |
| 3 | Power Inlet (+12 to +24 VDC) |
| 4 | RS-485+ (Primary) |
| 5 | RS-485- (Primary) |
| 6 | Panel Address Bit 0 |
| 7 | Panel Address Bit 1 |
| 8 | Panel Address Bit 3 |
| 9 | Panel Address Bit 2 |

| RJ-45 (J2, J3, J6, J7) | DESCRIPTION |
|-------------------------------|---------------------|
| 1 | RS-485+ (Primary) |
| 2 | RS-485- (Primary) |
| 3 | Power ground |
| 4 | Power (See Note 2) |
| 5 | Power (See Note 2) |
| 6 | Power ground |
| 7 | RS-485+ (Auxiliary) |
| 8 | RS-485- (Auxiliary) |

Note 1: Apply +12 volts DC using ONLY ONE of J2, J3, J4, J6, or J7.

Note 2: J2/J6 (J3/J7)-pins 4 & 5 are connected to DS1-Switch 7 (8).

Switch 7 (8) must be ON for J2/J6 (J3/J7)-pins 4 & 5 to be connected to Power Inlet.

If Switch 7 (8) is OFF, J2/J6 (J3/J7)-pins 4 & 5 are isolated from Power Inlet.

See Switch (DS1) description below.

| SWITCH (DS1) | DESCRIPTION |
|---------------------|--|
| 1, 2, 3 | Panel Address Bits 0,1,2 respectively |
| | 8 addresses max for Intercom/SOC. 4 addresses max for turret/console |
| | 1, 2, 3 = OFF, OFF, OFF: Address = A0 |
| | 1, 2, 3 = ON, OFF, OFF: Address = A1 |
| | 1, 2, 3 = OFF, ON, OFF: Address = A2 |
| | 1, 2, 3 = ON, ON, OFF: Address = A3 |
| | 1, 2, 3 = OFF, OFF, ON: Address = A4 (A0 in turret mode) |
| | 1, 2, 3 = ON, OFF, ON: Address = A5 (A1 in turret mode) |
| | 1, 2, 3 = OFF, ON, ON: Address = A6 (A2 in turret mode) |
| | 1, 2, 3 = ON, ON, ON: Address = A7 (A3 in turret mode) |



- 4, 5 Panel Mode
 - 4, 5 = OFF, OFF: Intercom
 - 4, 5 = ON, OFF: SOC
 - 4, 5 = OFF, ON: Turret
 - 4, 5 = ON, ON: Future use (selects Turret mode for now)

- 6 Alphanumeric Display brightness level
 - 6 = OFF: Dim (Rubicon)
 - 6 = ON: Bright (Rubicon SL, Ruby-T)

- 7 7 = ON: connects J2 & J6 (pins 4 & 5) to Power Inlet.

- 8 8 = ON: connects J3 & J7 (pins 4 & 5) to Power Inlet.