

## ESP90x and ESR90x Firmware/Software Compatibility Chart

### Current Shipping

Model	Hardware	Software	Firmware
ESP901	PCB2318-P1	V2.0.5.0	V2.0 & 01/31/08
ESP902	PCB2318-P1	V2.0.5.0	V2.0 & 01/31/08
ESP904	PCB2245-P1	V2.0.5.0	V2.0 & 01/31/08
ESR901	PCB2415-P0	V2.0.5.0	V2.0 & 01/31/08
ESR902	PCB2414-P0	V2.0.5.0	V2.0 & 01/31/08
ESR904	PCB2412-P0	V2.0.5.0	V2.0 & 01/31/08

### RS-485 Reverse Bias (pullup resistors are reversed for positive “+” and negative “-“ lines)

Model	Hardware(s)
ESP901	PCB2186-A5, PCB2196-A6
ESP902	PCB2186-A5, PCB2196-A6
ESP904	PCB2245-A3

*Note – Do NOT use internal biasing with these pcb. Use external resistors to bias as needed.*

### Compatibility Table

Software	Firmware	Compatible	Hardware release	Recommendation
V1.5	V1.5 & 7/28/03	V1.5 only	ESP901/902	Upgrade to V2.0, contact support
V1.5	V1.5 & 5/17/04	V1.5 only	ESP901/902	Upgrade to V2.0, contact support
V1.6	V1.6 & 2/20/03	V1.5 & V1.6	ESP904	Upgrade to V2.0, contact support
V1.6.1.2	V1.6 & 5/17/04	V1.5 & V1.6	ESP904	Upgrade to V2.0, contact support
V1.7.1.2	V1.7 & 9/20/04	Some V1.5 & V1.6	ESP901/902/904	Upgrade to V2.0, customer field
		Full V1.7		upgrade process, see web
V1.8.0.7	V1.8 & 4/6/05	V1.5 to V1.7	ESP901/902/904	Upgrade to V2.0, customer field
			ESR901/902/904	upgrade process, see web
V2.0.0.9	V2.0 & 10/05/05	V1.5 to V2.0	ESP901/902/904	Upgrade to <i>latest</i> V2.0, customer
			ESR901/902/904	field upgrade process, see web
V2.0.1.3	V2.0 & 05/08/06	V1.5 to V2.0	ESP901/902/904	Upgrade to <i>latest</i> V2.0, customer
			ESR901/902/904	field upgrade process, see web
V2.0.5.0	V2.0 & 01/31/08	V1.5 to V2.0	ESP901/902/904	Latest and current
			ESR901/902/904	

#### Note

- 1) Always upgrade software first before firmware by running software \*.exe file to remove and then it run again to install.
- 2) To upgrade to V2.0 from V1.6 or earlier firmware, please contact technical support team.
- 3) To upgrade to V2.0 from V1.7 or V1.8 firmware, customer will need to download three (3) files: software, firmware, and field upgrade document.