

GE Communications/Programming Serial Cables

There are a only few cables used for communicating to a GEIP PLC/PAC for data collection or programming. These cables are protocol independent and for "serial comms" only.

First get one of these for the RS-485/422 SNP 15 pin port found on most of the platforms either on the CPU or on the Power supply next to the CPU. These have an RS-232 to RS-485 converter built into the 15 pin end and are powered through pin 5.

IC690USB901 – [Industrial Concepts](#) (My First Choice)

AS693232SNP - [Applied Sys.](#) (My Second Choice)

IC690ACC901 - [GEIP](#)

HE693SNPCBL - [Horner Elec.](#)

Other ports that you may find are: RJ-45 (NOT Ethernet), RJ-12 (6pin Tele), and 9-pin D-shell.

IC200CBL001 - 9pin M to 9pin F, RS-232. PAC & VersaMax. A standard 9pin, straight through extension cable works here. (Station Mgr. on RX7i only)

IC200CBL500 - RJ-45 to 9pin F, RS-232. (NOT Ethernet) Mostly VersaMax Micro.

IC693CBL316 - RJ-12 to 9pin F, RS-232. Found on RX3i CPUs and some 90-30 CPUs, also on Ethernet modules and CPUs as 'Station Manager ports' (**NO SNP or RTU on Station Mgr. ports**)

For pin assignments of these go here: [Serial Port Pinouts](#)

To purchase these cables start here on the: [GE web site.](#)

With these four cables, plus a standard Ethernet cable you can communicate to nearly all GE A&C/GEIP (GE Fanuc) PLC/PAC processors built after about 1990.

In an emergency this "Cheater" cable can be built to use the 15pin RS-485 port direct without an adapter.

9 pin-F		15 pin-M	
Rd 2	----- **	----- 12	SD+(B)
Td 3	----- **	----- 10	RD+(B')
Sig.Gnd. 5	----- **	----- 7	SG
Jumpers		Jumpers	
RTS 7	--- ,	, --- 6	RTS+(B)
CTS 8	--- '	' --- 15	CTS+(B')
DTR 4	--- ,	, --- 8	CTS-(A')
DSR 6	--- '	' --- 14	RTS-(A)

This "cheater" cable is: (A) is -, (B) is +
NOT supported by GEIP (A') & (B') = INPUT
Does NOT work for multidrop (A) & (B) = OUTPUT
**** Must be kept under 4 Meters**

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Dominus Vobiscum <))>(<

[Russ](#)

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