

# EST4 Questions & Answers

## Introduction

Following are some frequently asked questions that have been received since the August 2019 EST4 release. Please refer back to the Application Notes section in the my-eddie website for future additions and updates to this document.

## EST4 Q&A:

**Q: Where can I find a guide with all the EST4 part numbers?**

**A:** Go to my-eddie, Resources & Training>Submittal Guides and download the EST4 Submittal Guide. This guide is a great resource that includes all the EST4 system components with descriptions and photos in one document.

**Q: Where can the 4-CPU be mounted?**

**A:** Same as the EST3 3-CPU3, the main EST4 4-CPU must be mounted in the first two slots of the 3-CHAS7 with 3-PPS/M main power supply behind it.

**Q: Is an additional CPU required to support a second LCD in a cabinet?**

**A:** Yes, a 4-ANNCPU is required to support the 4-LCDAUDTEL display that is used for firefighter phone operation. This LCD display can be programmed to show only the remote fire phone call-ins, capable of answering and disconnecting calls. One important thing to remember is that if a 4-FT or 4-MIC is mounted to the right of the 4-LCDAUDTEL, the 4-ANNAUDTEL card is required. This small card plugs onto the 4-ANNCPU and converts the analog signal from the –FT or –MIC to digital, making it available to other CPUs and the audio network.

**Q: If a second CPU in a single cabinet is required, is an additional power supply required?**

**A:** No. You can have only one main CPU in a cabinet. Additional CPUs such as 4-ANNCPU does not require a separate power supply. It derives its operating power thru the USB cable connection to the main 4-CPU.

**Q: How does the 4-ANNCPU that's needed to support the 4-LCDAUDTEL get mounted?**

**A:** The 4-ANNCPU must be behind the 4-LCDAUDTEL display for the ribbon cable interconnection, so if you have a second chassis in the cabinet, it can be mounted to the back of the 3-CHAS7 with 4BRKT-CB (CB=chassis back) bracket. If you don't have the second chassis, it can be mounted on the 4-MPLT mounting plate. The 4-MPLT takes up an entire chassis location in a cabinet, no additional brackets are required to mount the 4-ANNCPU to it

**Q: What's the part number to mount a CPU to the side of a chassis?**

**A:** 4-BRKT-CS (CS= chassis side)

**Q: What's the part number for the cable required if I have led switch cards only (no LCD) on the EST4 inner door frame assembly)?**

**A:** 4-CABL0542. This is the only 4-CABLx series flex cable that needs to be ordered separately. It is used to connect the 4-CPU or 4-ANNCPU to the UI (user interface) rail when no 4-LCD or 4-LCDAUDTEL is installed. The cables to interconnect the UI rails on the 4-CAB16D and 4-CAB24D inner doors are included.

**Q: What's the part number for the UL Listed USB able to interconnect CPUs in a cabinet?**

**A:** The 4-CABLUSBSM USB cable comes included with all "other" CPUs (4-ANNCPU, 4-NET-AD, 4-FWAL), so no need to order separately. In the event that you want to mount up to the max of three CPUs in one cabinet, you may need to order 4-CABLUSBLG USB (long) cable (if one is to be mounted at the bottom of a CAB21, for example)

The 4-CABLUSBSM is 2.46 ft. (0.75 meters) long.

The 4-CABLUSBLG is 4.27 ft. (1.3 meters) long.

**Q: What are the part numbers of all the optional mounting brackets and plates?**

**A:** 4-BRKT-CB mounting bracket, chassis, back

4-BRKT-CS mounting bracket, chassis, side

4-MPLT Mounting plate, chassis or battery space

**Q: Which parts count as a "node" on the EST4 network?**

**A:** There are five components that count as nodes on the (current) 80 node EST4 network:

4-CPU

4-ANNCPU

4-NET-AD

4-FWALx

4-CPUGRPH

**Q: Does the 4-CPU include alarm, trouble, and supervisory contacts?**

**A:** No it does not. Optional 4-COMREL must be ordered separately if aux contacts are required. The 4-COMREL mounts to the back of the 4-CPU.

**Q: CDR-3 coder and PT-1S printer requires a 4-USBHUB. Is a 4-FWALx required to support it?**

**A:** A 4-USBHUB can connect directly to any CPU (4-CPU, 4-ANNCPU, 4-NET-AD, 4-FWAL, 4-CPUGRPH).

**Q: Does 4-LCDANN get used with all remote annunciators?**

**A:** No. The only difference between the 4-LCDANN and 4-LCDLE assemblies is the cable. 4-LCDANN comes with a 4-CABL0504 cable, 4-LCDLE comes with a 4-CABL0502 cable.

The 4-2ANN assembly includes the 4-LCDANN

For 4-4ANN and 4-6ANN, 4-LCDANN is ordered separately.

For all others (4-8ANN, 4-16ANN, 4-24ANN, 3-CAB5B/7B,14B), the 4-LCDLE is ordered separately.

**Q: When is the 4-AUDTELS or 4-ANNAUDTEL required?**

**A:** A 4-AUDTELS is required when you need a telephone riser, 1VRMS input or output audio riser, or have a 4-MIC or 4-FT installed on the 4-CPU's user interface. A 4-ANNAUDTEL is required when you have a 4-MIC or 4-FT installed on the 4-ANNCPU's user interface.

**Q: Does the 4-CU support Building Reports?**

**A:** 4-CU V4.02, while not specifically indicated, does support Building Reports by using the FireWorks export option.

**Q: What type of CPU is used in a graphic annunciator ?**

**A:** This will require use of the 4-CPUGRPH used in conjunction with 3-EVPWRA and 3-EVDVRA modules.

**Q: What hardware is required to support a PT-1S system printer?**

**A:** A printer can temporarily be used by plugging directly into a port on the 4-CPU however this will generate a ground fault. For permanent installation a 4-USBHUB or 4-FWALx is required with Isolation Ports.