

# EDN Innovation 1994

## EDN READERS SELECT INNOVATOR AND INNOVATIONS OF THE YEAR

EDN's fifth annual campaign to pay tribute to innovative people and products has come to a close. We're proud to announce the winners from the field of finalists published in our February 2 issue. Award ceremonies will take place at the winning companies.

EDN congratulates all the nominations in this year's strong field of entries.

### COMPONENTS, HARDWARE AND INTERCONNECTS:



#### **FPF21C8060UA-92** **full-color plasma display panel**

**Fujitsu Microelectronics Inc.**  
**Flat Panel Display Products**  
**3545 North First Street**  
**San Jose, CA 95134-1804**  
**Tel: 1-800-642-7616**  
**Fax: (408) 432-9044**

The Model FPF21C8060UA-02 is a 21-in. (diagonal), ac-memory plasma unit that is the largest full-color flat-panel display in volume production. The display has 640×480-dot resolution, and its 6 bits (64 levels) of gray scale per pixel yields more than 260,000 colors. With the use of the appropriate interface board, the panel accommodates either digital RGB or NTSC video signals. Thus, the device can display VGA video or standard television transmissions. Overall package dimensions, including the integrated drive circuitry, are 18.9 in. high × 15.75 in. wide × 1.26 in. thick. The panel weighs less than 5 kg (11.2 lbs). A >140° viewing angle allows off-axis viewing without image distortion.

The display requires two power sources: 180V at an average current of 100 to 700 mA (depending on the image displayed) and a peak current of 4A and 5V at an average current of 1.9A. As a screen-saving and power-limiting measure, an automatic power-control function reduces brightness if the 180V supply's average current exceeds 550 mA. This current drain corresponds to a 40% display rate, meaning that 40% of the pixels are lit at their maximum brightness. CRT technology presently represents the only alternative for producing 21-in. screens. Active-matrix, thin-film-transistor LCDs offer full-color capability, but at a producible size limited to about 10 in. diagonally.



*The long-awaited era of the flat-panel display is dawning...and the rooster heralding its arrival is Fujitsu Microelectronics, with the introduction of their Plasma Display Panel, the PPF21C80601A-02. This significant innovation is the largest full-color flat-panel display in volume production today, and significantly outclasses its technological alternatives. We join with the vast readership of EDN Magazine, who have cast their votes to recognize this as the 1994 Product of the Year.*



*Your Hosts For The Evening:*

*Jeff Patterson  
EDN Publisher*

*Steve Leibson  
EDN Editor-In-Chief*

**EDN**

*Cahners Building  
275 Washington Street  
Newton, MA 02158-1630*



*An evening of celebration  
in honor of the*

*Fujitsu Microelectronics  
PPF21C80601A-02  
Plasma Display Panel*

*1994 Product Of The Year*

*Tuesday, May 30, 1995*



## ~ Menu ~

### Reception:

*Venison Sausage with Assorted Mustards*

*Curried Chicken in Endive Pockets*

*Gruyere Cheese Puffs*

*Gruet Champagne*

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*Mimosa Salad*

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*Shark, "Japanese" Style*

OR

*Roasted Breast of Chicken with Garlic Mashed Potatoes*

OR

*Black Angus Beef Filet with a Roasted Garlic and*

*Cabernet Sauvignon Sauce*

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*Cappuccino Souffle*

*Coffee*

*Morgan Chardonnay, Monterey, 1992*

*Cabernet Sauvignon, Livingston, Moffett Vineyard, 1990*