

# ACE Flight™ 2780-AC

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## ACE Flight™ 2780-AC AMU

- ▶ Kontron Auxiliary Modem Unit (AMU)
- ▶ Integrated Satellite Modem Card
- ▶ Compliant to ARINC 791/792 AMU supplement
- ▶ 115 VAC Aircraft Power with 200ms of hold-up
- ▶ Qualified to DO-160G

POSSIBILITIES START HERE



# ACE Flight™ 2780-AC AMU

Kontron's Auxiliary Modem Unit (AMU) has been designed in accordance with the ARINC 791/792 supplements being developed by the ARINC subcommittee working groups. The AMU provides the option for one or two additional satellite modems to be installed onto the aircraft with a traditional 4MCU MODMAN. This allows the aircraft the ability to utilize different satellite operators by selecting the appropriate modem during flight. In response to this need, Kontron has designed its ACE Flight 2780 AMU product family to support the different modem suppliers in a common 2MCU LRU

(ordering options). This product line has been rigorously tested and qualified to DO-160G environmental conditions for airborne applications.

The ACE Flight 2780 was also designed so that it can be used as a standalone MODMAN Lite solution. In this configuration, the AMU is the only satellite modem on the aircraft and is directly connected to the antenna assembly and onboard server.

## ▶ TECHNICAL INFORMATION

|                              |   |
|------------------------------|---|
| <b>FORM FACTOR</b>           | 2MCU per ARINC 600, air flow-through<br>Dimensions: 7.77" (197mm) H x 2.25" (57mm) W x 14.3" (372mm) D      |
| <b>SATCOM MODEM</b>          | Configuration dependent<br>-101: iDirect IQ800<br>*Other modems planned, contact factory for latest updates |
| <b>RF CONNECTIONS</b>        | (2) Tx, (2) Rx RF connections via size 1 Coax contacts in Cavity A  |
| <b>SOFTWARE</b>              | Configuration dependent<br>-101: iDirect Velocity Software  |
| <b>ETHERNET PORTS</b>        | 2x Ethernet Ports via size 8 Quadrx contacts in Cavity B  |
| <b>SERIAL, DISCRETES</b>     | 3x Aircraft Discrettes In, 3x Aircraft Discrettes Out<br>Keyline In/Out                                     |
| <b>FRONT I/O</b>             | LEDs: Power, Status, Receive, Transmit<br>RS-232 Serial Interface   |
| <b>POWER</b>                 | 115 VAC (360 – 800 Hz) Aircraft Power with 200msec Hold-up<br>50 W nominal                                  |
| <b>ENVIRONMENT</b>           | Qualified to DO-160G  |
| <b>WEIGHT</b>                | 8.75 lbs ( 3.97 kg)   |
| <b>OPERATING TEMPERATURE</b> | -40 °C to +70 °C  |

## ▶ ORDERING INFORMATION

| ARTICLE             | PART NO.     | DESCRIPTION                     |
|---------------------|--------------|---------------------------------|
| AF2780-AC AMU       | 73005021-101 | LRU, AF2780-AC AMU, IQ800       |
| AF2780-AC AMU, LAB  | 73005021-001 | LRU, AF2780-AC AMU, IQ800, LAB  |
| AF2780-AC TRAY, LAB | 73005021-500 | TRAY & BREAKOUT I/O CABLES, LAB |

## ▶ YOUR CONTACT

### Kontron America Inc.

9477 Waples Street  
San Diego, CA 92121,  
USA  
Tel.: +1 888 294 4558  
sales@us.kontron.com

[www.kontron.com](http://www.kontron.com)

## GLOBAL HEADQUARTERS

### Kontron Europe GmbH

Gutenbergstraße 2  
85737 Ismaning, Germany  
Tel.: +49 821 4086-0  
Fax: +49 821 4086-111  
info@kontron.com

[www.kontron.com](http://www.kontron.com)