

ACE Flight™ 2780-AC



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

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

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



About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

For more information, please visit: www.kontron.com

Your Contact

Kontron Canada Inc.

4555 Rue Ambroise-Lafortune
Boisbriand (Québec), J7H 0A4, Canada
Tel.: (800) 387-4222
avionics@kontron.com

www.kontron.com

Your Contact

Kontron America Inc.

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

www.kontron.com

Global Headquarters

Kontron Europe GmbH

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

www.kontron.com

