

# CabinEdge™

## A content loader from the Summit line

The CabinEdge stand-alone content loader supports network delivery of In-Flight Entertainment (IFE) content and is meant to be permanently installed on cabin monuments or in other convenient locations within the aircraft's cabin. The CabinEdge solution is designed to make the loading and management of IFE content simple, straightforward and inexpensive.



The CabinEdge content loader utilizes small form factor, low-cost, commercially available USB "thumb drives" as the content transfer medium. The unit loads digitally stored, encrypted content in the background in an unattended fashion. A keyed tumbler lock provides security and ensures that loaded content remains secure until the next update.

Simply installing the small form factor USB drives and closing the interface door automatically sends the signal to the onboard software to "mount" the drives and begin the process of loading content to the front end server. The onboard software automatically cross-checks with the locally stored content and updates files as required at better than USB 2.0 speeds.

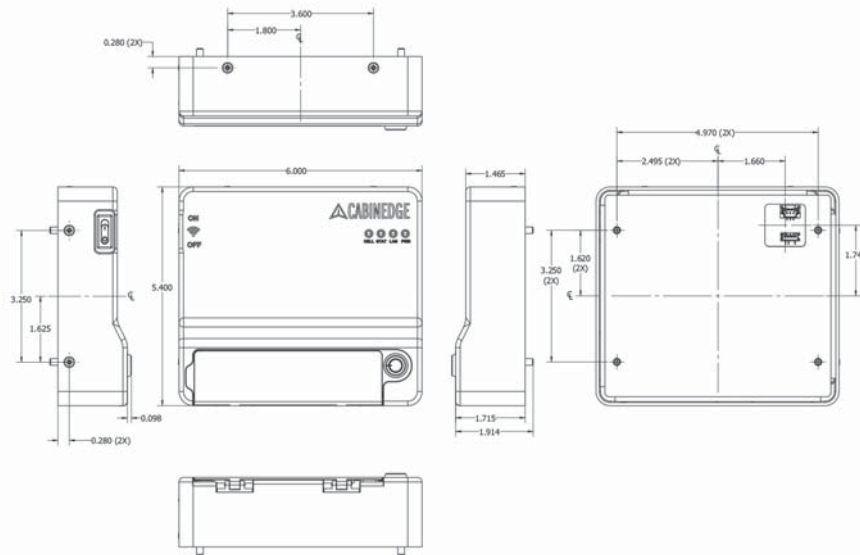
The CabinEdge unit is designed using industry leading technology and is suitable for use with existing IFEC systems or for installation of a new system utilizing other components from the Summit line.

### Product Features

Processor	NXP i.MX6, 1 GHz Quad Core, ARM Cortex A9
Front Panel I/O (Behind Door)	Content Loading: 4x USB (Small Form Factor) Serial Console: Micro-USB
Rear Panel I/O	LAN: RJ-45 Gigabit Ethernet 28 VDC Power: 4-pin Header
Content Security	Keyed Cam Lock for Front Access Door
Indicators	2 LEDs for LAN Activity and Power
Input Power	28 VDC or PoE per 802.3af (< 10W)
Operating System	Linux
Embedded BIOS	U-Boot Boot Loader
Mechanical	Wall Mounting Bracket with No Exposed Wires or Connectors
Operating Temperature	-15° C to +55° C

## Outline Dimensions

in inches



## Environmental/EMI Test Requirements

DESCRIPTION	SECTION	RTCA/DO-160G CATEGORY
Temperature	Section 4	Category A4
Altitude and Overpressure	Section 4	Category A4
Temperature Variation	Section 5	Category C
Humidity	Section 6	Category A1
Operational Shock / Crash Safety	Section 7	Category B
Vibration	Section 8	Category S (Curve B)
Explosion Proofness	Section 9	N/A
Waterproofness	Section 10	N/A
Fluids Susceptibility	Section 11	N/A
Sand and Dust	Section 12	N/A
Fungus Resistance	Section 13	N/A
Salt Spray	Section 14	N/A
Magnetic Effect	Section 15	Category Z
Power Input	Section 16	DC, Category A
Voltage Spike	Section 17	N/A
Audio Frequency Conducted Susceptibility - Power Inputs	Section 18	N/A
Induced Signal Susceptibility	Section 19	N/A
Radio Frequency Susceptibility (Radiated & Conducted)	Section 20	N/A
Emissions of Radio Frequency Energy	Section 21	Category M
Lightning-Induced Transient	Section 22	N/A
Electrostatic Discharge	Section 25	Category A
Fire / Flammability	Section 26	14 CFR Section 25.853(A) and 14 CFR Section 25.869(A)(4)

Equipment specifications are updated from time to time to ensure that Astronics CSC product designs are in line with ongoing market and technology advancements. Please contact us for the most up to date product details.

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