FlexTainer

EPIC, Mini-ITX and EBX flexible enclosure solution

FEATURES

- Dual shock and vibration protection system
- EPIC, Mini-ITX, and EBX Mounting
- Passively cooled
- Easily customized: length, coating, etching, milling, mounting
- 6063-T5 extruded aluminum, 0.125" thick
- High grade extruded rubber
- Black anodized coating
- Available in standard lengths:
   - 4.55" (EPIC), 6.75" (Mini-ITX) and 10" (EBX)
- RoHS compliant

INFORMATION

The FlexTainer is a rugged enclosure system for packaging EPIC, EBX, or Mini-ITX CPU payloads. It is constructed of .125" aluminum and designed for hostile and mobile environments. The FlexTainer features a dual system of shock and vibration isolation: The CPU payload is mounted horizontally in the enclosure with two internal rubber corner rails to absorb high-frequency vibrations, while the entire enclosure is mounted on the host platform with a thick rubber pad which absorbs low-frequency G-forces. The rubber pad may be removed for optional mounting solutions such as hard mounting, flange endcap, or fluidic mount assembly.

The FlexTainer cross section measures 7.00" wide by 5.00" high (not including mounting pad) and is designed to mount the CPU payload horizontally along the entire length of the enclosure body. The CPU is mounted on a choice of three adapter plates (EPIC, Mini-ITX, or EBX) which is then installed in the FlexTainer. Ample room is provided for several PC/104 accessory cards to be installed above the stack, accessories such as hard drives or power supplies below, or thermal solutions such as cooling pipes or custom designed heat spreaders.

The FlexTainer is available in standard lengths of 4.55" (EPIC), 6.75" (Mini-ITX) and 10" (EBX) with custom lengths up to 48". The FlexTainer is available from stock with a variety of pre-punched endcaps and mounting options. For customer designed faceplates, a downloadable DWG file is available at www.tri-m.com. The FlexTainer and its standard accessories are RoHS compliant.
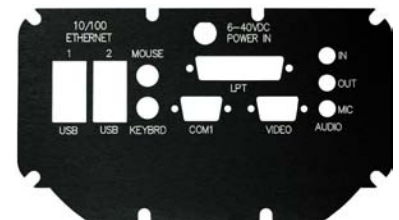
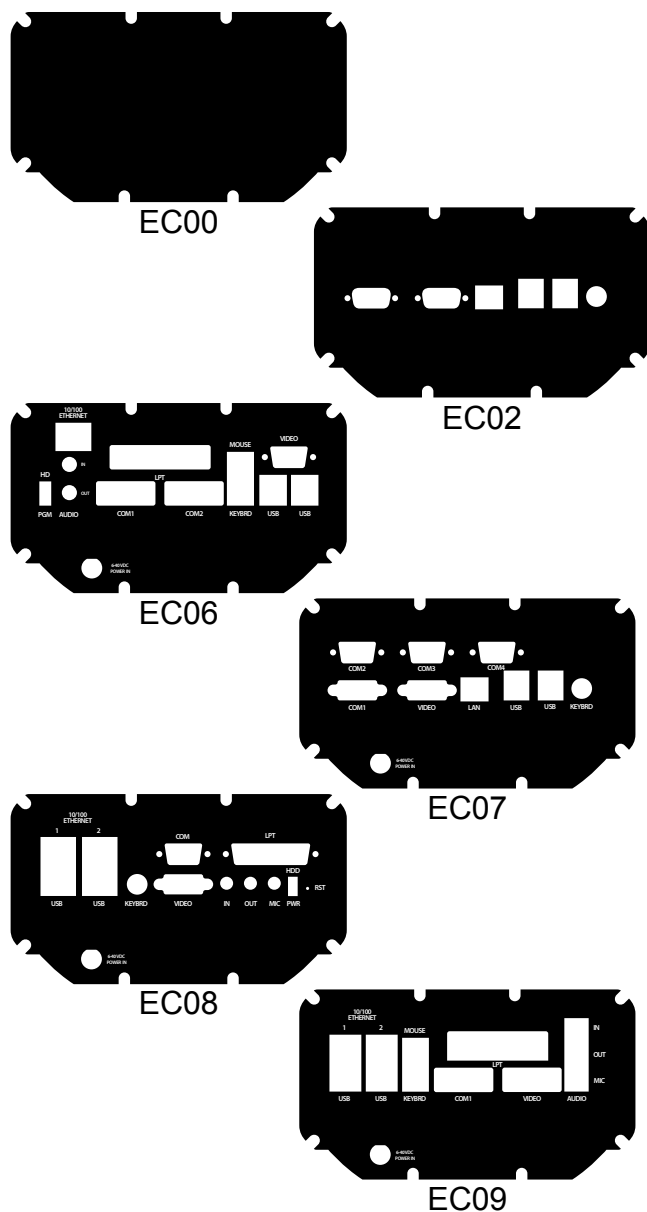| Part Number	Description
FT-0455	FlexTainer body, length=4.55", rubber shockmount pad, 2 endcaps
FT-0675	FlexTainer body, length=6.75", rubber shockmount pad, 2 endcaps
FT-1000	FlexTainer body, length=10.0", rubber shockmount pad, 2 endcaps
FT48-EXT	FlexTainer Extrusion, 4'(48") length, black anodized

TRI-M
ENGINEERING

FlexTainer Accessories

ENDCAPS

EC00

EC02

EC06

EC07

EC08

EC09

MOUNTING PLATES

MITX

EPIC

EBX
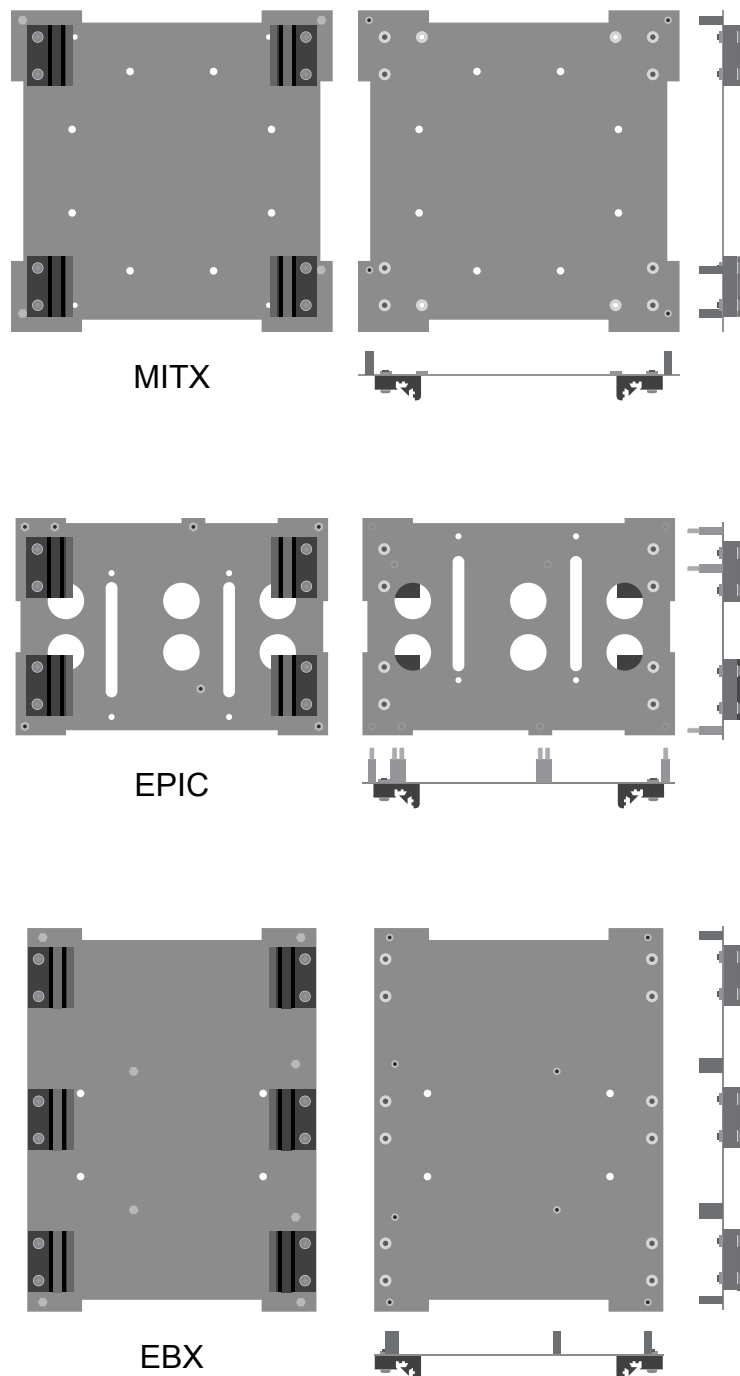
Part Number	Description
FT-EC00	FlexTainer Endcap, solid
FT-EC00-RAW	FlexTainer Endcap, solid, un-anodized
FT-EC02	FlexTainer Endcap, IEI-NANO-7270
FT-EC06	FlexTainer Endcap, VERSALOGIC-GECKO-FRONT
FT-EC07	FlexTainer Endcap, VERSALOGIC-GECKO-REAR
FT-EC08	FlexTainer Endcap, KONTRON-EPIC/CE
FT-EC09	FlexTainer Endcap
FT-EC-Custom	Custom punched endcaps with etching - (MOQ 10)
FT-MTG-EBX	Mounting plate for EBX boards
FT-MTG-EPIC	Mounting plate for EPIC boards
FT-MTG-MITX	Mounting plate for Mini-ITX boards
MTG-BRK01-KIT	Quick mounting bracket
RUB-MTG-BULK	Bulk rubber, external mount (per foot)