

Figure 2: STAR System Topology

SYSTEM COMPONENTS

1. STAR
2. eMux: splitter and amplifier for the RF signal
3. eNode: controls up to 4 antennas to excite tags
4. Master Controller (MCON): application appliance
5. Optional Sensor network to detect activity in specific areas

Wireless STAR System Topology

Figure 3 illustrates Wireless STAR system topology, showing:

1. STAR and power supply, including the command link antenna
2. Wireless 4-port eNode, including the command link antenna
3. Sensor port
4. eNode transmit antennas
5. MCON

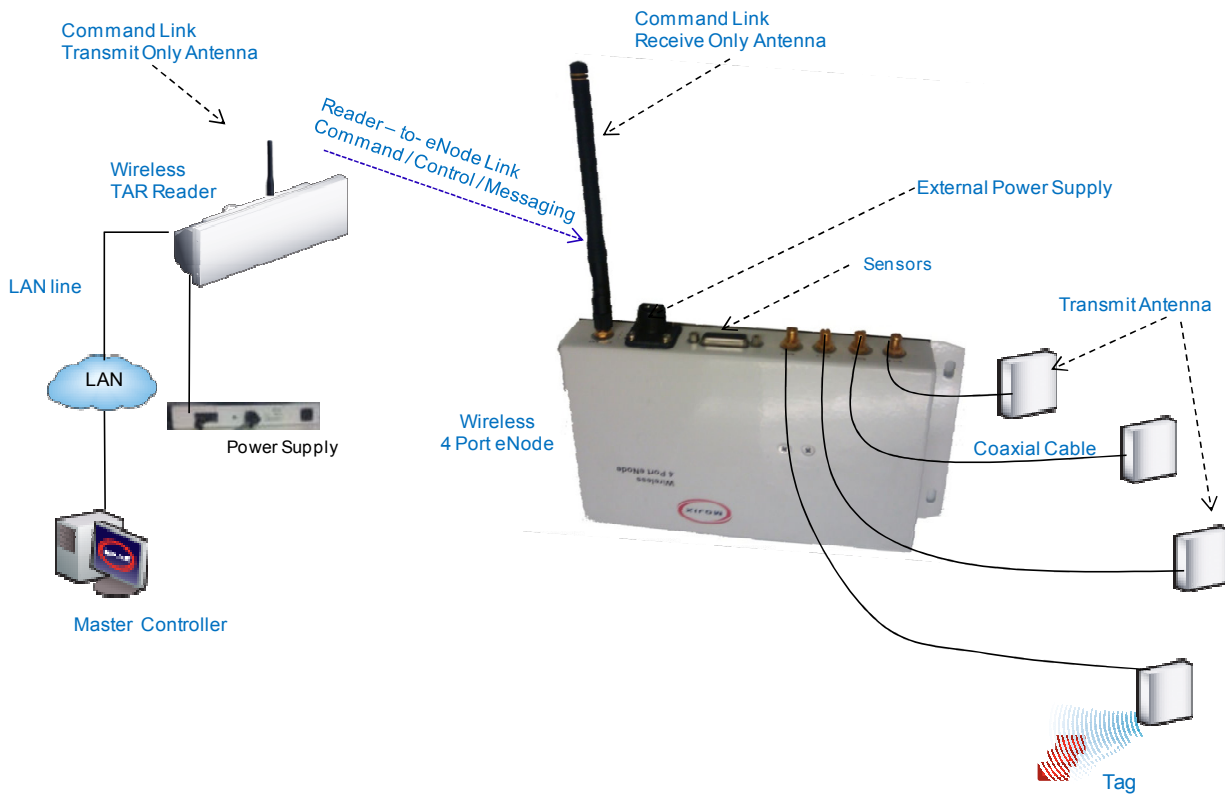


Figure 3: Wireless STAR System Topology

STAR RECEIVER INSTALLATION

STAR Receiver Installation

The STAR is mechanically designed for post or wall mounting. Figure 4 illustrates the rear mounting bracket. This bracket is designed to be used with any standard VESA mounting bracket. As shown in the figure, the mounting bracket is installed directly on the STAR Receiver back plate.

Installation instructions:

1. Product installation shall be conducted by a qualified installer. The appropriate local engineer or architect shall be consulted to ensure the wall and/or pole mount is capable of safely supporting up to 4 times the weight of the product.
2. Should the customer elect to mount the STAR to a flat surface (e.g. wall), holes are provided in the main mounting bracket to accommodate a family of hardware (customer supplied).
3. When mounting STAR unit to a flat surface, a minimum of 4 fasteners are required, though the exact type is a function of the wall material and construction. Best industry practice is recommended.
 - a. For example: toggle bolts or Molly bolts would be the first choice on hollow walls. Lead lag shields would be recommended on solid (cast) concrete or brick. Nails are not recommended, but could be used only if the wood material of the wall was at least 1.5" thick.
4. The STAR Receiver is first secured to the main bracket using the provided hardware. A standard VESA bracket designed to hold 4 times the weight of the STAR unit should separately be mounted to either a mast or a flat surface. The last step is to attach the STAR bracket to the VESA bracket.

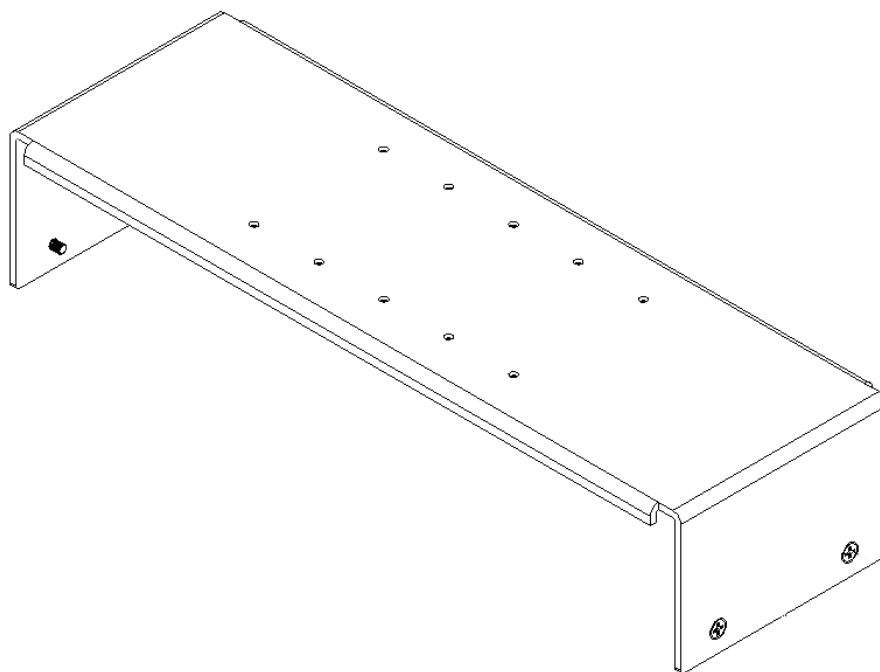


Figure 4: STAR 3000 VESA Interface Mount Bracket

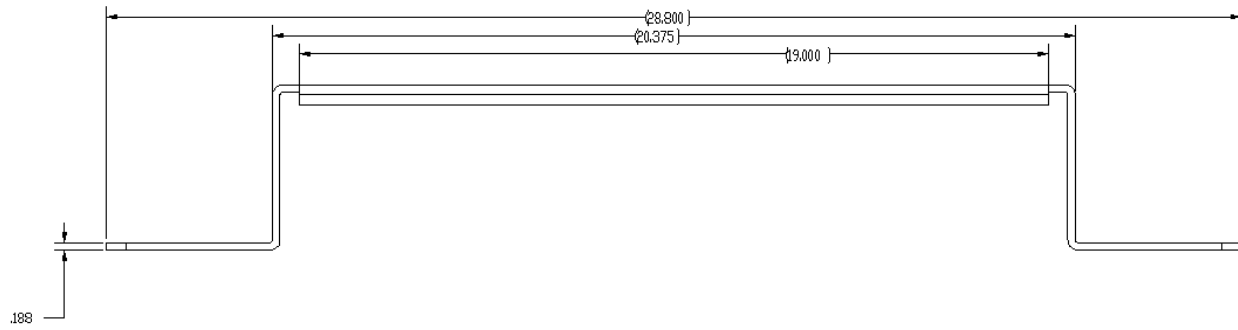


Figure 5: VESA Interface Mount Bracket Side View

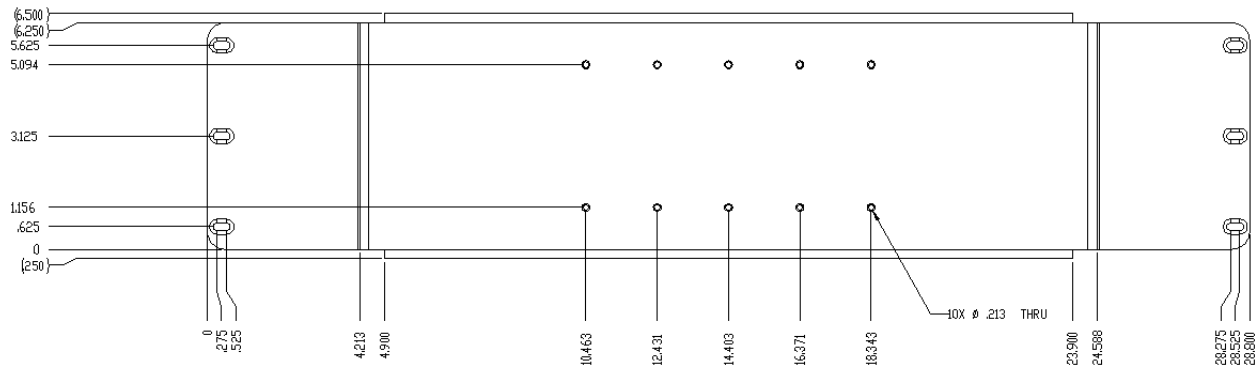


Figure 6: VESA Interface Mount Bracket Rear View

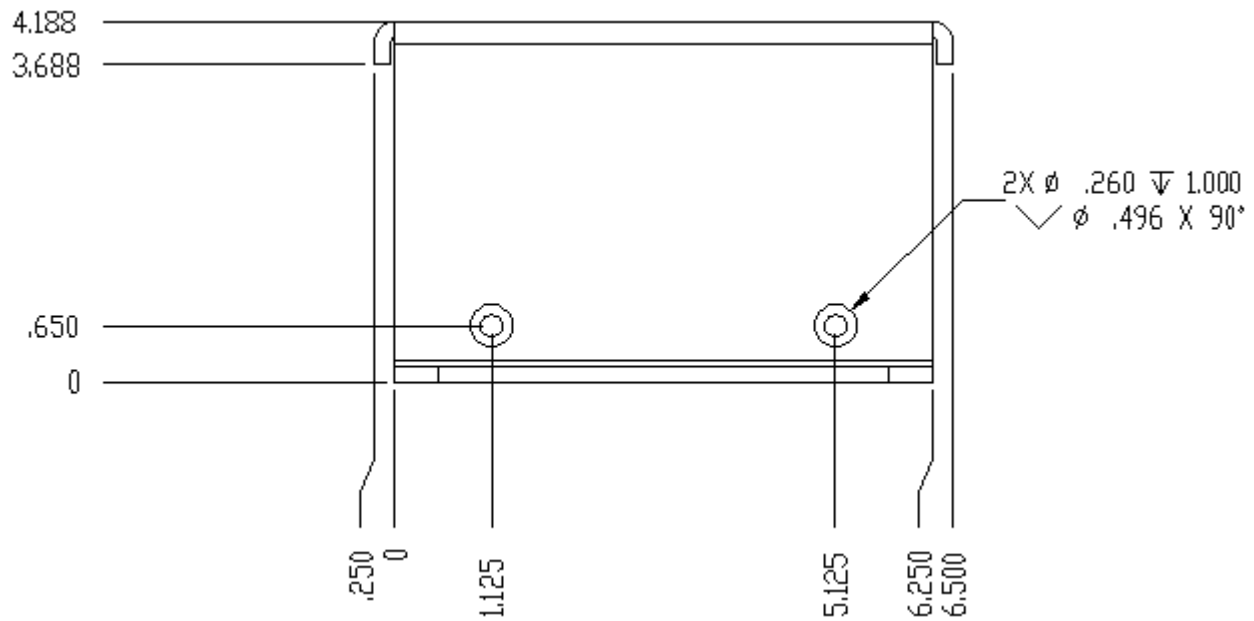


Figure 7: VESA Interface Mount Bracket End Profile View