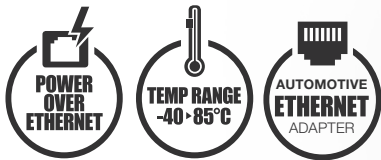


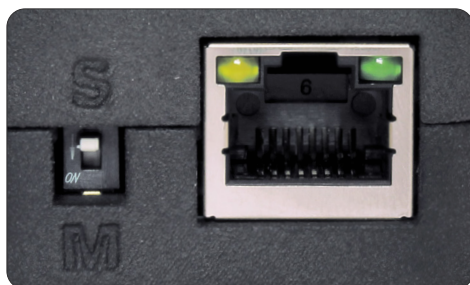
AE-100 & AE-1000

Plug and Play Automotive Ethernet Adapters

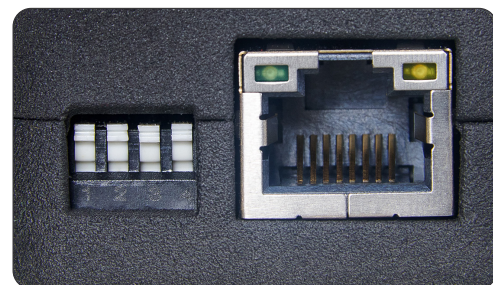


The AE-100, AE-1000, and AE-1000 USB Automotive Ethernet Adapters are bi-directional physical layer media converters between standard Ethernet and Automotive Ethernet (OPEN Alliance BroadR-Reach).

- All versions are intended for plug and play use without any additional configuration software
- Compact, rugged nylon enclosure with an optional clip-on mounting bracket
- -40 to +85°C operating temperature for in-vehicle use including hot/cold weather testing
- Physical Commander/Responder mode selection switch minimizes start up negotiation delays
- AE-100 and AE-1000 support Power over Ethernet (PoE) to eliminate extra power wiring or can be DC powered using a surge tolerant operating voltage of 6-36VDC (suitable for in-vehicle use)
- AE-1000 USB is powered via USB and supports standard NIC drivers installing as an Ethernet port on the PC



AE-100 Configuration Switch



AE-1000 / USB Configuration Switches



General Specifications

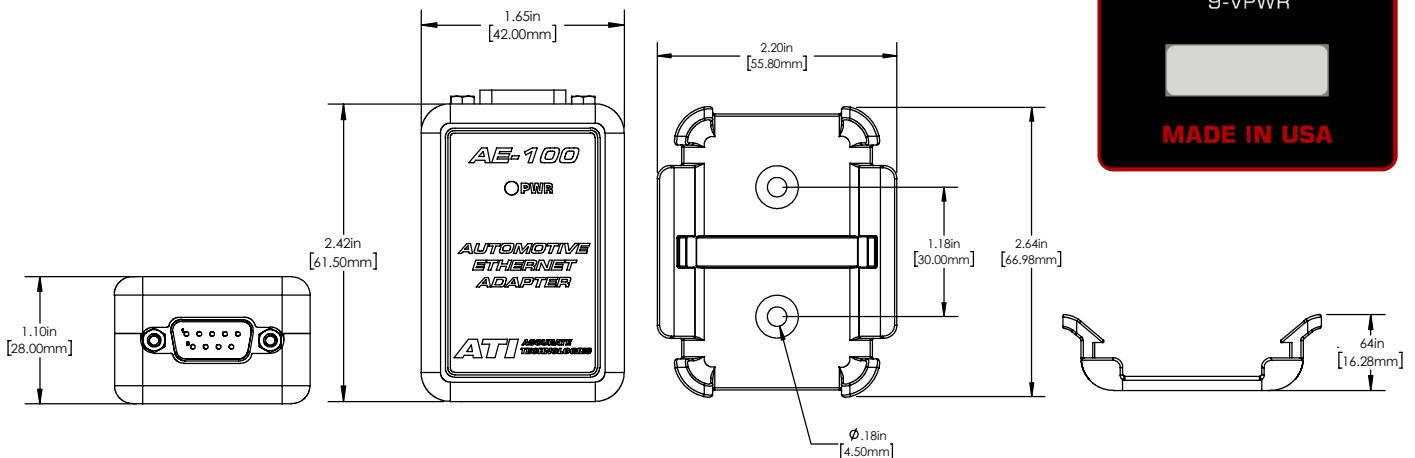
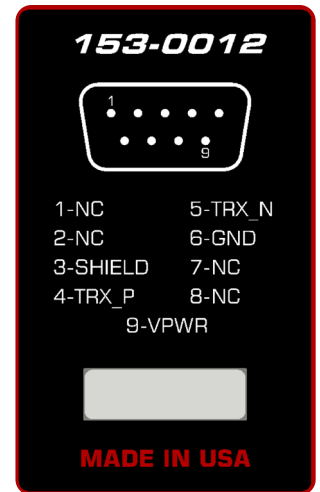
	AE-100	AE-1000	AE-1000 USB
Automotive Ethernet Features			
Physical Layer	100Base-T1	100/1000Base-T1	
Speed	100Mbps data rate	100/1000Mbps data rate	
Configuration Switches	1: Commander/Responder Mode	1: Commander/Responder Mode 2: 1000Mbps or 100Mbps 3: Auto-Negotiation or Manual 4: Gigabit-A0 (Legacy) or Gigabit-A2 (IEEE)	
General Features			
LEDs	Power indicator Ethernet link and status on RJ45	Power indicator Automotive Ethernet activity Ethernet link and status on RJ45	Power indicator Automotive Ethernet activity
PC Connector	RJ45 Standard Ethernet	RJ45 Standard Ethernet	USB 3.0 Type C
Automotive Ethernet Connector	DB-9 male Automotive Ethernet (and) External DC Power Input	DB-9 male Automotive Ethernet (and) External DC Power Input	3-pin Terminal Block Automotive Ethernet
Power	IEEE 802.3af/at PoE on RJ45 (or) 6 to 36VDC on DB-9	IEEE 802.3af/at PoE on RJ45 (or) 6 to 36VDC on DB-9	USB Powered
Operating Temperature	-40°C to +85°C / -40°F to +185°F		
Construction	IP40 nylon enclosure		
Mounting Options	Optional clip-on mounting bracket		
Warranty	1 Year		



AE-100 Ordering Information

Product	
Part Numbers	Description
153-0012	AE-100 Automotive Ethernet Adapter

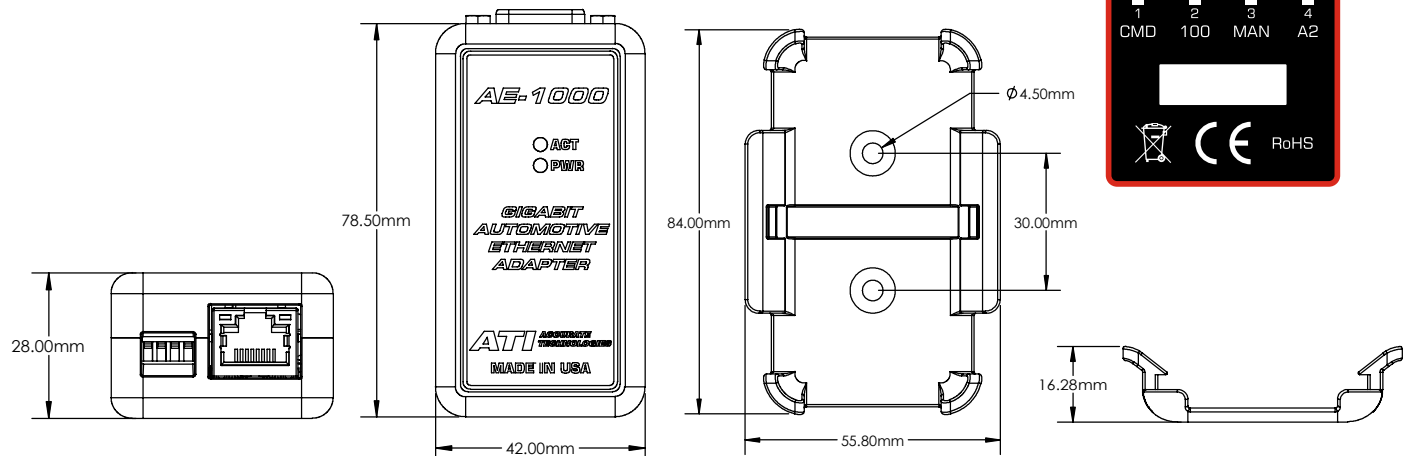
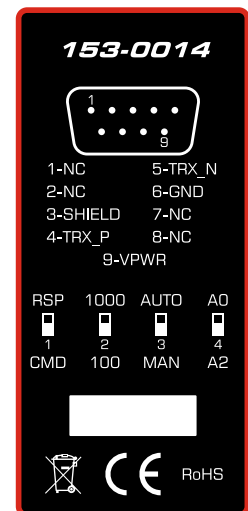
Accessories	
Part Numbers	Description
151-0055	Clip-on mounting bracket



AE-1000 Ordering Information

Product	
Part Numbers	Description
153-0014	AE-1000 Gigabit Automotive Ethernet Adapter, DB-9 connector

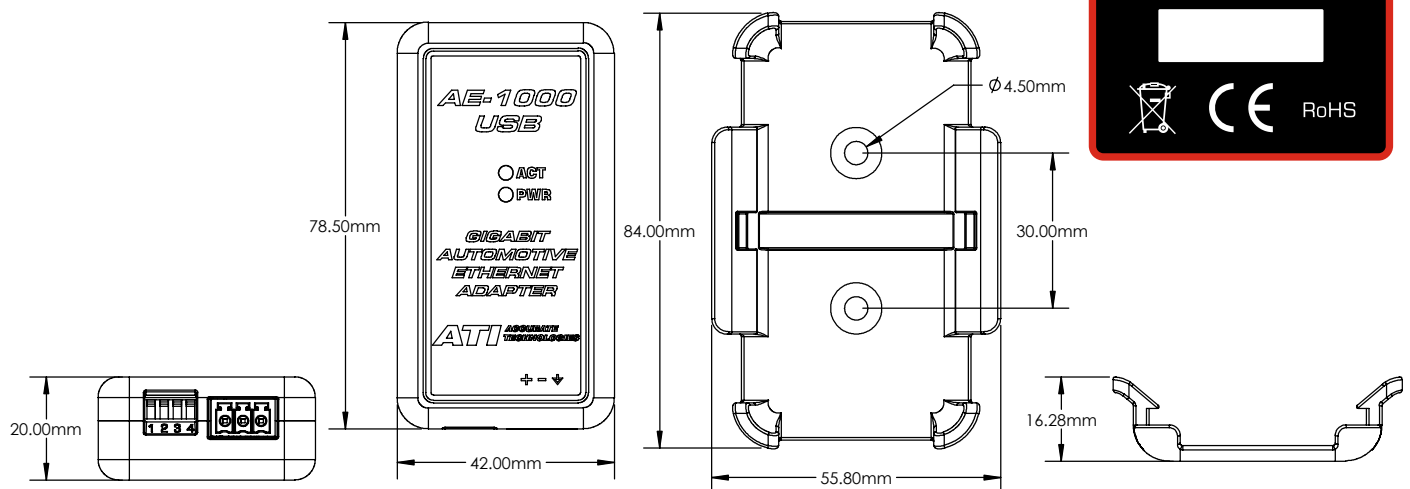
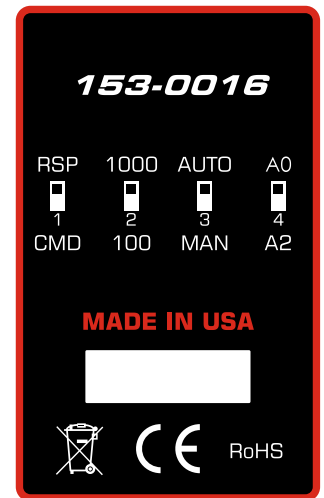
Accessories	
Part Numbers	Description
151-0056	Clip-on mounting bracket



AE-1000 USB Ordering Information

Product	
Part Numbers	Description
153-0016	AE-1000 USB Gigabit Automotive Ethernet to USB Adapter, terminal block connector

Accessories	
Part Numbers	Description
151-0056	Clip-on mounting bracket


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