ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Alta Data Technologies ENET-1553-EBR* at our website: *Click HERE*

eNet-1553-EBR™

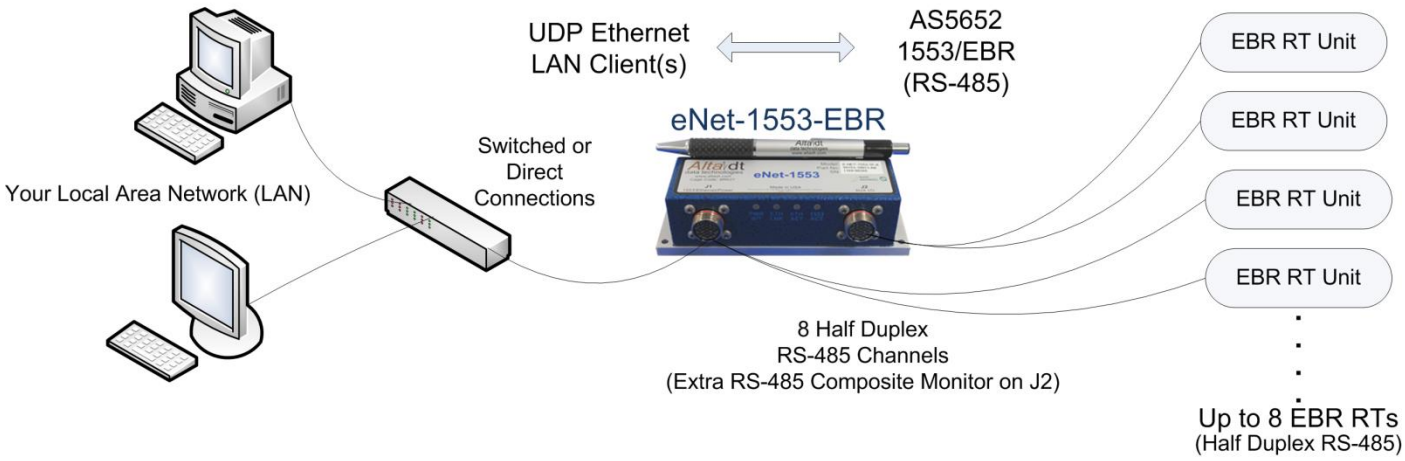
1553-EBR AS5652 Operations for Ethernet Networks



Small 13.5 x 3.7 x 4 cm
200 grams

- 10/100/1000 Ethernet <-> MIL-STD-1553 Applications
- Thin-Server, Real-Time UDP Ethernet to/from RS-485 1553 Enhanced Bit Rate (**EBR – 10 Mbit RS-485**) **
- Single Function BC, RT or BM Support.
- 8 RT Half Duplex Link/Spec Mode Support
- 5-30 VDC, 300-800 mAmp max/300-600 mAmp typical. 200g Weight, POE Optional, 1760 Startup
- IRIG-B RX Decode, PPS, Triggers, Discretes

Alta's ENET-1553-EBR Provides Real-Time Ethernet Connectivity for up to Eight AS5652 1553 EBR Devices



ENET-1553-EBR™ is an innovative product that provides "remoting" of 1553 AS5652 EBR operations on 10/100/1000 Ethernet IP/UDP local area networks (LAN). ENET-1553-EBR is a small, low-power, rugged device that provides connectivity for up to eight AS5652 RT devices, single BC or composite monitor.

Alta has combined the industry's most advanced 32-bit EBR FPGA protocol engine, ***AltaCore***™, with a real-time IP/UDP thin server. The customer can implement their application with the same feature-rich application programming interface, ***AltaAPI***™, as used with standard cards – often without even recompiling - the utlimate in code portability.

****NOTE: ENET-1553-EBR (server) is a real-time Ethernet/EBR devices, but your computers' (client) IP stack may not be!** The ENET-1553-EBR device provides real-time UDP receive and transmit requests to EBR buffers, but the client's IP/UDP stack will induce path delays as compared to backplane cards. For many applications (<100-1000 packets per second), this product will provide unparalleled flexibility in EBR configurations (much better than USB devices). . Contact Alta for test results on various OS and computer configurations – your system results may vary.

www.altadt.com

4901 Rockaway Blvd., Building A Rio Rancho, NM 87124 USA
(In US): 888-429-1553 (Outside US): 505-994-3111 Fax: 805-504-8588

AltaCore-1553 (EBR AS5652)
eNet-1553-EBR™ Specifications

General

- 8 Half Duplex RS-485 EBR Interfaces
- AS5652 Compliant: Link & Spec Mode
- 13.5 x 3.7 x 4cm, 200g without cabling.
- Standard 10/100/1000 Ethernet UDP
- Power 1000E @ 50% Load: 800 mAmps
  Power 100E @ 50% Load: 400 mAmps
  5-30 VDC Input Accepted.
  POE Optional (+55C Ambient Max Temp).
  USB Powered OK (1000 mAmp Source).
- Glenair Mighty Mouse Connectors.
  801-011-02M10-26PA/B Mates.
- One Megabyte RAM for 1553 Buffering
- Common Data Packets (CDPs) for all BC, RT and Monitor Functions
- Flash Disable Factory Setting for Secure Mem
- Parts Temp (C) : -55 to +120 Storage, 0 to +70 Commercial, -40 to + 85 Extended Temp
- Advanced Startup, User and Continuous BIT
- IRIG-B PAM RX or 1, 5, 10 MHz PPS
- IP Fragmentation NOT supported.

BC Features

- Variable Framing or One Shot Lists
- RT Link and Spec Mode Support
- Intermessage Gap Spacing (4-10 minimum)
- Polling Interrupts, No-Ops, Ext Trigger
- Time Tags Full Error Injection/Detection

RT Features

- EBR Link and Spec Mode Support
- Infinite Linked Data Buffers
- Time Tags Full Error Injection/Detection

Monitor

- Composite Monitor on J2 RS-485 Output
- Internal Sequential Monitor
- 64 bit, 20ns Time Tags, IRIG, Ext Clock Source

AltaAPI Development Software

- Multi-Layer, Portable ***AltaAPI*** Software Tool Kit.
- Windows 32 and 64-bit Support
- Portable Berkeley BSD Layer 0 Available (Linux, Unix, etc…)

Part Numbers

- **ENET-1553-EBR**
  - First 4 EBR Channels on J1
  - Second 4 EBR Channels and Composite Monitor on J2

Options: Add -E for Ext Temp Parts (-40 to +85C), -N for NVRAM Write Protect, -P for POE, -F for Conformal Coat.
Example: ENET-1553-EBR-EFN

Optional J1 and J2 Cables:

- **ENETCAB-J1-01 - first four channels**
  - DB26, Ethernet & USB Power
- **ENETCAB-J2-01 – second four channels**
  - Auxiliary DB-26

5 Year Limited Warranty

EU and China RoHS Compliant
Contact Alta for Special Lead Build Configurations
Non-Public Telcom/CE Device

Alta Data Technologies LLC
4901 Rockaway Blvd., Building A
Rio Rancho, NM 87124 USA
www.altadt.com
alta.sales@altadt.com
888-429-1553 or 505-994-3111

Information in this data sheet is subject to change without notice. Alta is not responsible for errors or omissions. All trademarks are reserved by their respective owners. eNet-1553, AltaCore, AltaAPI, AltaView and AltaRTVal are trademarks of Alta Data Technologies.1305-1

Alta dt data technologies

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP