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

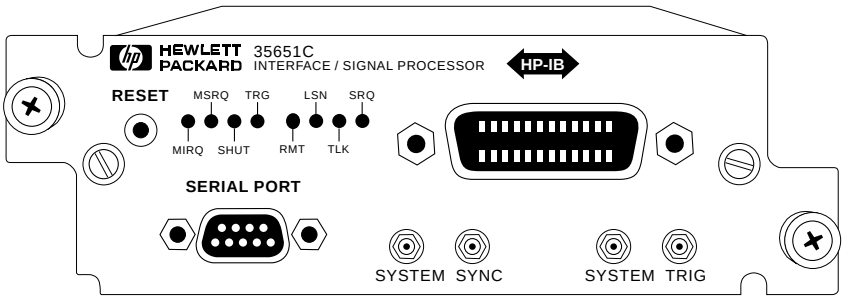
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Keysight / Agilent 35651C* at our website: ***Click HERE***

HP 35651C/35654B Signal Processing Modules

The signal processing module performs the following functions for the HP 3565S system:

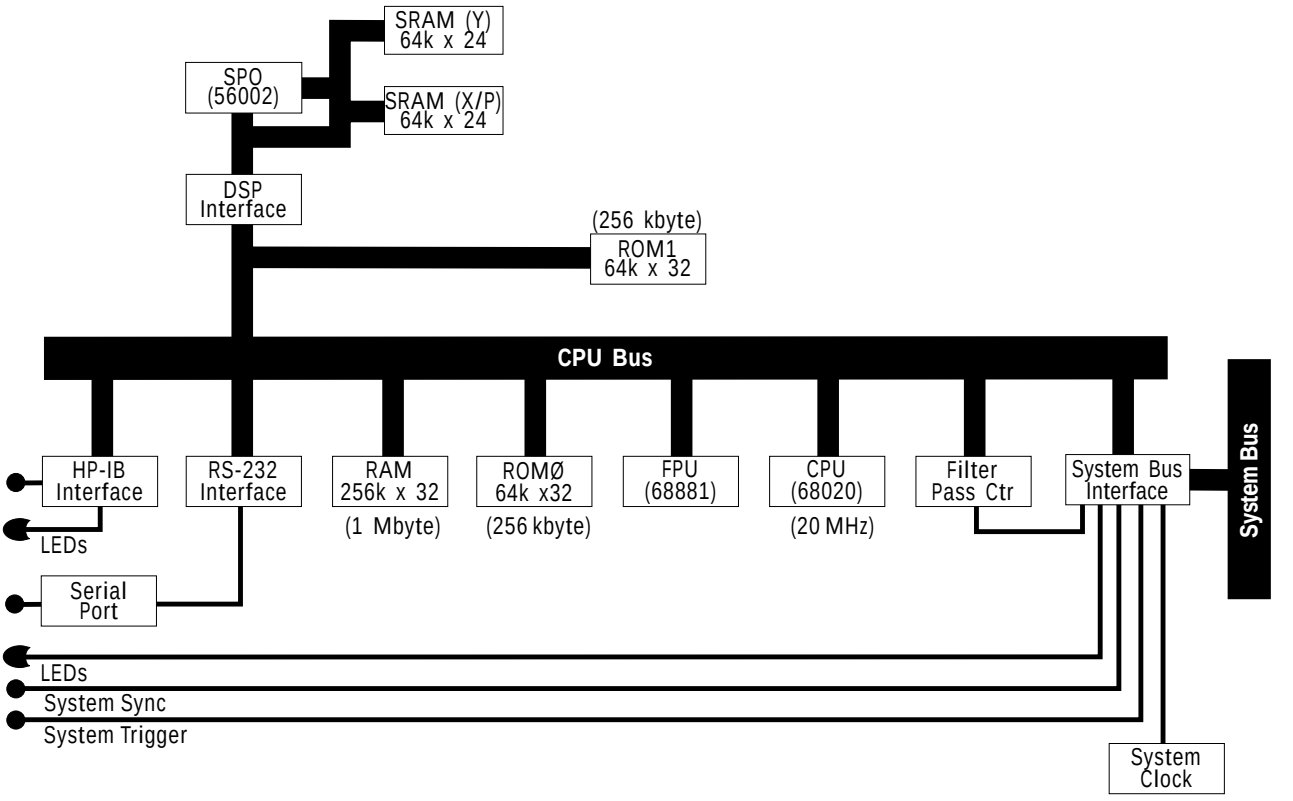
- Control of all system operations, including data flow between modules
- Transfer of measurement data to host computer via HP-IB
- Direct control of data throughput to disk
- Execution of downloadable programs from application software
- Syncronization of multiple systems and simultaneous triggering of multiple systems with external SMB connectors.
- System hardware diagnostics using the RS-232 port.



While the HP 35651C and HP 35654B perform identical functions, there are two major differences between the modules.

The HP 35651C has one Motorola 56002 digital signal processing (DSP) chip and 1 Mbyte of RAM (4 or 16 Mbytes of RAM are available by ordering option 104 or 116). The HP 35654B has two Motorola 56002 DSP chips and 4 Mbytes of memory (16 Mbytes are available by ordering option 116). The additional DSP chip gives the HP 35654B the capability of greater signal processing speed. This added capability is only accessible through application software that accesses the extra DSP chip.

HP 35651C Signal Processing Module



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Features

	HP 35651C	HP 35654B
DSP chip*	DSP56002 (one)	DSP56002 (two)
Processor	MC68020 (20 MHz)	MC68020 (20 MHz)
Floating Point Coprocessor	MC68881	MC68882
	MC68882 (w/opt 104 or 116)	
DSP RAM Wait states	0	0
FFT time (nominal)**	4.0 ms	3.5 ms
Realtime Bandwidth	51.2 kHz	102.4 kHz
Main Memory	1 Mbyte (standard)	4 Mbytes (standard)
	4 Mbyte w/opt 104	16 Mbyte w/opt 116
	16 Mbyte w/opt 116	

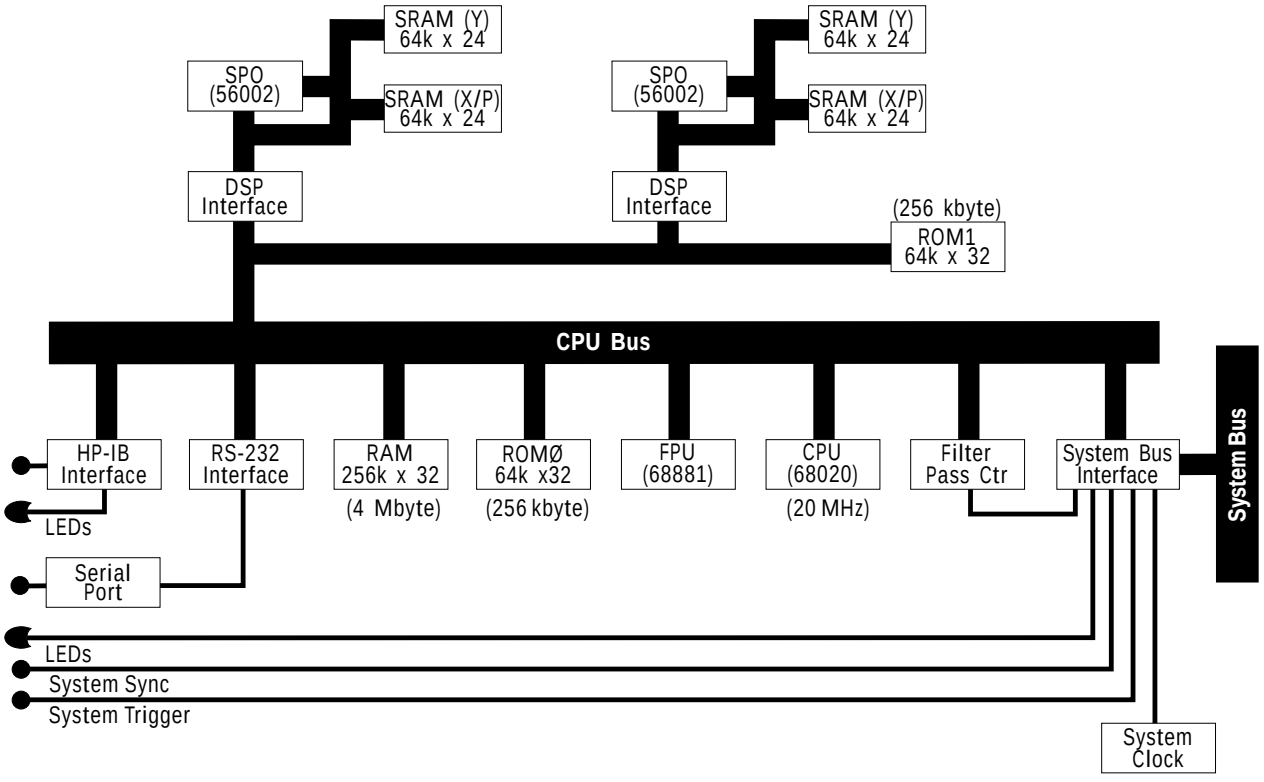
* The DSP chip, the processor and the coprocessor are all Motorola products.
** The FFT time is calculated using a 1K complex block size (800 lines of alias-free resolution, includes windowing, and bit reverse).

Transfer Rates

Module to module system bus maximum:	2.5 Msamples/sec
Signal processing module to host :	329 kbytes/sec
Module to signal processing module memory:	1.7 Msamples/sec
Maximum throughput rate:	>1.3 Msamples/sec using HP 35659A with option AT3

HP-IB Implementation SH1 AH1 T6 TE0 L4 LE0 SR1 RL0 PP0 DC1 DT1 C4,11
(IEEE Std 488-1978)

HP 35654B Signal Processing Module



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

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