

Table 1 – Projected Total Cost of Cirrus Ownership including GA-FDM

Total Cost of Ownership Calculator		Original Cirrus Model		Cirrus with GA-FDM	
Cirrus Shared Ownership					
This chart has been modified from the original Cirrus Design document, to explore relative costs and benefits from GA-FDM. Acquisition and Operating cost estimates were provided by Cirrus at the time of release, and may not be the most current.					
Partnership Info					
airplane type & configuration	SR22-GTS	\$ 448,685		\$ 454,669	
# of partners	4				
Hourly Operating Costs					
		Hours		Hours	
fuel (\$/gal)	\$ 6.00	\$ 108.00		\$ 103.68	
oil (\$/quart)	\$ 5.00	\$ 0.50		\$ 0.50	
maintenance (\$/shop hour)	\$ 75.00	10 \$ 7.50	12 \$ 6.25		
engine & prop reserves	\$ 33,000	2,000 \$ 16.50	2,500 \$ 13.20		
Total Hourly Operating Cost		\$ 132.50		\$ 123.63	
Annual Fixed Costs					
		Basis		Basis	
tiedown	\$ 600	\$ 600		\$ 600	
database subscriptions	\$ 1,550	\$ 1,550	\$ 1,344	\$ 2,894	
annual inspection	\$ 2,000	20 \$ 2,000	16 \$ 1,700		
insurance	\$ 6,100	100% \$ 6,100	90% \$ 5,490		
Total Annual Fixed Costs		\$ 10,250		\$ 10,684	
Financing					
down payment	20%				
interest rate	6.75%				
term (years)	15				
Monthly Payment		\$ 3,176		\$ 3,219	
Total Cost of Ownership					
	Total	Per Partner		Per Partner	
upfront investment	\$ 89,737	\$ 22,434		\$ 22,733	
monthly fixed expenses	\$ 4,031	\$ 1,008		\$ 1,027	
hourly operating cost	\$ 133	\$ 133		\$ 124	
Resale Value					
Estimated Re-Sale Value at 1,000 hours		(estimated without GA-FDM) Basis \$ 310,000	5%	(estimated with GA-FDM) \$ 325,500	

Cirrus Design Corp, with GA-FDM

Added Cost of \$5984 for GA-FDM, when sold by Cirrus Design
(includes Broadband but no crashworthy unit, since ADL remains)

estimate (SR22 = 18 GPH; SR20 = 11 GPH cruise flight, FDM est'd 4% savings)
estimate (1 quart per 10 flight hours @ \$5/quart)
estimate (1 hour Mx per 12 flight hours, improved by GA-FDM)
estimate (SR22 = \$33,000; SR20 = \$28,000 overhaul)
@ 2,500 hour TBO - low ROM TBO improvement due to GA-FDM;
actual improvement may be higher, subject to FAA approval
(ref: R. Wilkinson, formerly TCM)

estimate (\$50/month)
estimate for GPS, MFD and Cmax databases & XM WX, plus GA-FDM Gold AND Sprint
estimate (16 hours @ \$75/hr + \$500 incidental - data saves est'd 4 hrs diag/labor)
estimate (SR22 @ 500+ hour IFR = \$6,100; SR20 @ 100 hour PPL = \$3500)
(conservative 10% savings from GA-FDM)

Net Cost (Or Savings) of GA-FDM Per Partner

\$ 299.20	Upfront investment
\$ 19.63	Fixed monthly costs increase by small amount
-\$8.87	Results in Lower Hourly Operating Cost
-\$69	Lower Monthly Cost, 10 hrs/month/pilot
-\$829	Lower Annual Cost, 10 hrs/month/pilot

Net Cost (Or Savings) of GA-FDM Per Aircraft

-\$276	Monthly Cost per Aircraft (40 hrs/month)
-\$3,315	Annual Cost, operating 40 hrs/month
-\$16,576	Five-year Cost, operating 40 hrs/month
\$15,500	Increased Resale Value, from GA-FDM reports

GA-FDM provides complete reports of aircraft usage, exceedances, and other factors to provide Buyer with knowledge on prior use and wear

Net Result: With ALL of the GA-FDM costs and subscriptions included, including Sprint Broadband, a group of 4 pilots operating a shared SR22-GTS with GA-FDM Gold could expect to save \$69 per month per pilot from the benefits achieved through using GA-FDM (10 hrs each or 40 hrs airframe). That's \$829 per pilot per year savings. \$3,315 per aircraft per year. \$16,576 saved during the 5-year ownership period. Plus added savings in maintenance, operations, safety and training (MOST).

This worksheet was originally prepared as a service by your Cirrus Regional Team. Assumption fields are highlighted in yellow, and we strongly recommend you adapt the assumptions to your particular circumstances, as costs can vary significantly (e.g., different insurance rates depending on location and pilot qualifications; different fuel prices, maintenance labor rates, tie-down or hangaring costs) and as you are the sole judge of your tax situation. Consult with your accountant on how an aircraft purchase will impact your personal financial situation. Cirrus Design and GA-FDM cannot accept any responsibility for the accuracy of these materials, including, but not limited to, the formulas contained herein and any and all of the assumptions made.