

gfit

Designed for Group Fitness

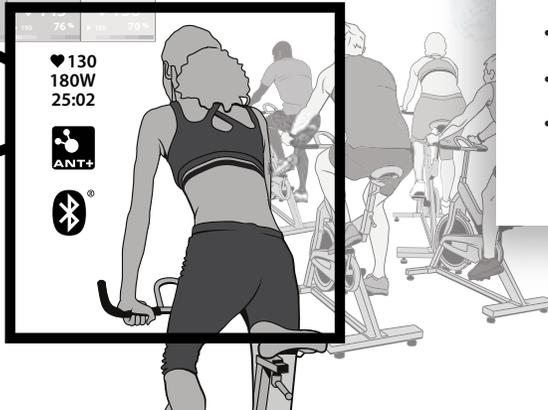
Connects fitness equipment in large group settings with support for over 50 concurrent devices.

G.FIT Features

- ANT+ Heart Rate & FE-C device profile support
- Bluetooth Heart Rate Profile & Service, Fitness Machine Service
- Preloaded G.FIT Network Processor application with serial API
- Field upgradable via serial or wireless connection
- RSSI and list-based sensor pairing
- Build custom applications using the G.FIT Library and SDK

CONNER ♥ 142 ▶ 100 74%	KRIS G ♥ 135 ▶ 100 72%	PAUL E ♥ 124 ▶ 100 63%	DAGMAR D ♥ 137 ▶ 100 71%	WENDY B ♥ 123 ▶ 100 62%
SCOTT E ♥ 136 ▶ 100 70%	DANIEL K ♥ 130 ▶ 100 80%	JENNIFER T ♥ 130 ▶ 100 73%	BRIAN L ♥ 126 ▶ 100 66%	SUE J ♥ 172 ▶ 100 92%
PATTI ♥ 115 ▶ 100 65%	JULIE C ♥ 130 ▶ 180 63%	MA C ♥ 64 ▶ 100 80%	LORI H ♥ 100 ▶ 100 76%	JANE G ♥ 100 ▶ 100 70%

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 **ANT™**

Implementation Options

1 Use G.FIT in network processor mode with your existing console controller (MCU)

2 Build your console application on G.FIT modules to create an integrated implementation

SDK

The G.FIT SDK includes components that allow fitness equipment manufacturers and gyms to tailor the experience they want with their gym equipment.



G.FIT embedded library



G.FIT FE controller reference code



FE console simulation tool for Windows



Sample peripheral applications for Garmin Connect IQ & iOS

Modules



Development Module
D52QSKM6IA-A



20x20mm Module
D52QGM4IA,
D52QGM4IA-A



14x9.8mm Module
D52MGFM8IA

G.FIT Module Features

SERIES	G.FIT		
Custom app Support	✓		
Serial Connection	✓		
Pairing	List, RSSI based proximity		
NFC Compatible	✓		
ANT			
ANT+ HR	✓		
ANT+ FE-C	✓		
Cust. ANT Channels	Up to 9		
BLUETOOTH® LOW ENERGY			
BLE HR Central / Peripheral	✓		
BLE Fit Machine Svc.	✓		
Custom BLE Svc.	✓		
CHARACTERISTICS			
Field Upgradable*	✓		
Data burst rate (bps)	Up to 60k		
Data encryption	AES-128		
Max. Tx power (dBm)	4		
Supply Voltage (V)	1.7-3.6		
Mounting	SMT pins & LGA pads		
MODELS	D52QGM4IA	D52QGM4IA-A	D52MGFM8IA
Size (mm)	20x20x2.8	20x20x2.8	14x9.8x2.0
GPIO	Up to 30	Up to 24	Up to 24
Analog IO	8	8	8
3-axis MEMS accelerometer		✓	