

Vault Technologies' Payment Terminal Uses QTouch"' -

PRODUCTS SUPPORT

ABOUT

BACKGROUND

SEARCH



Find a QProx(tm) Consultant -- click here

COMPARE QMatrix[™] GLASS-TOUCH TECHNOLOGY WITH COMPETING INDUSTRY SOLUTIONS

Click here for a Comparison between Quantum's QMatrix™ Solution and One-Chip-Per-Key-Solutions

SELECTION TABLE

Datasheets	e	e	n/a			
Keys	4	16	32, 48	32, 48, 64		
Matrix Configuration	4X, 1Y	4X, 4Y	8X, 4Y / 8X, 6Y	8X, 4Y / 8X, 6Y / 8X, 8Y		
Interface	4 Discrete	UART, SPI, Parallel	UART, SPI	SPI		
External Active Parts	0	0	0	4		
External Passive Parts	1	10	14	11		
AKS™ Feature	-	Yes	Yes	Yes		
Sensitivity Change	Vary Cs	User- Defined	User-Defined	User-Defined		
Drift Compensation	Fixed	User- Defined	User-Defined	User-Defined		
Recal Timeout	10s, 60s	User- Defined	User-Defined	User-Defined		
Line Noise Sync	-	Yes	Yes	Yes		
N-Key Rollover	2 Keys	Full	Full	Full		
Supply voltage	$+4 \sim +5$	+ 5	+5	+ 5		
Supply Current (Max)	1.5mA	25mA	25mA	15mA		
PC Dev Software	n/a	QmBtn™	QmBtn™	QmBtn™		
Dev Boards	E604	E616	E6486	E6325, E6645		

Synchronous noise suppression*

Vary key sizes / shapes in one panel*

Adjacent Key Suppression (AKSTM)*

Panel thickness to 5 cm or more

Small SOIC packages

Simple +5V only operation

*16 Keys and Up

APPLICATIONS

Appliance Controls Industrial Keyboards Outdoor Keypads Security Key Panels ATM Machines Automotive Interior Controls Touch Screens

ORDERING INFORMATION

For placing any orders directly with Quantum, Minimum Order Quantities (MOQs) must be met -- see below. For quantities below MOQs, please contact **DigiKey** in North America, **Farnell** in Europe or your **Local Distributor** in other countries.

Please Note: All -S parts have now been replaced by -IS parts.

Part	Eval Board	Temp	Pkg	Output	Pwr	T&R	MOQ
QT60040-D	E604	0~70°C	DIP14	Discrete	+5V		60
QT60040-IS	E604	-40~85°C	SO14	Discrete	+5V	\checkmark	57
QT60161-AS	E616	-40~105°C	TQFP44	Par, Ser	+5V	\checkmark	30
QT60325-AS	E6325-SPI	-40~105°C	TQFP44	SPI	+5V	\checkmark	30
QT60326-AS [†]	n/a	-40~105°C	TQFP44	SPI, UART	+5V	\checkmark	30
QT60485-AS	E6485-SPI	-40~105°C	TQFP44	SPI	+5V	\checkmark	30
QT60486-AS [†]	n/a	-40~105°C	TQFP44	SPI, UART	+5V	\checkmark	30
QT60645-AS	E6645-SPI	-40~105°C	TQFP44	SPI	+5V	\checkmark	30
[†] = PRE-RELEASE	INFORMATION						

news

» Fitch Provides World-Class QProxTM Design

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- » New German Language Mini-site
- » NEW! QSlide[™] Technology
- » New Chinese Language Sub-Site!

sales and distribution

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» qprox.com Goes Japanese!

- » VIDEOS ADDED! Check Them Out!
- » How to Make Backlit Touch Controls
- » Advance Info on QT240 Spread Spectrum IC



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