

PROAV DESIGN GUIDE

## Tech Cafe Design Guide

Casual lounge AV with a "genius bar" for hands-on IT support, training, and connection.



Reference layout: 65" Avocor touch flanked by 2x 65" LG displays, high-top tech bar, four booths with 43" displays, lounge seating.

### Next-generation tools, comfortable setting.

The Tech Cafe lets employees use AV technology in a comfortable setting while having a "genius bar" available for one-on-one troubleshooting with an IT specialist. Casual settings - stool-height tech bar, standing-height group table, booths, and lounge seating - encourage drop-in collaboration and informal training.

The audiovisual system is built around a 65" Avocor touch display flanked by two 65" LG commercial displays. The center display runs from a dedicated computer for general messaging and digital signage, with music distributed through Dante ceiling speakers. Laptops connect directly to the 65" displays for content viewing during consulting or training sessions.

Four booths each carry a 43" flat-screen display where laptops or tablets connect easily for small-group review and quick fixes. A Crestron HD-MD8X8 4K matrix switcher and HD-Lite extenders carry signal to every endpoint, and a single Crestron TSW-1070 touch panel with VC-4 server control runs the whole room.

### KEY FEATURES

- 65" Avocor Touch
- Dual 65" LG Displays
- 4x Booth 43" Displays
- Barco ClickShare
- Dante Ceiling Audio
- Crestron Control

**FOOTPRINT**  
**56' x 50'**  
 2,800 sq ft  
 Seats: 100+

**TECHNOLOGY**  
**\$60K-\$95K**  
 Avocor touch + LG displays, matrix switching & Crestron control

**FURNITURE**  
**\$125K-\$160K**  
 Tech bar, booths, cafe tables, lounge & bench seating

**PRICING NOTE**  
 All pricing is conceptual and based on the wide range of product choices available. Each space has unique considerations: acoustics, build-out, labor, and infrastructure.

SPECIFICATION SHEET

## Recommended Equipment Schedule

Curated AV stack used in this Tech Cafe reference design.



### TECHNOLOGY PRODUCTS

#### DISPLAYS

- Avocor AVG-6560 65" 3840x2160 IR LED Interactive Touch Display (1x)
- LG UL3G 65" 4K UHD Commercial Display (2x)
- LG UR640S0 43" HDR 4K UHD Smart Digital Signage IPS LED TV (4x)
- Chief XTM1U X-Large Micro-Adjustable Tilt Wall Mount (3x)
- Chief MTM1U Medium Micro-Adjustable Tilt Wall Mount (4x)

#### INPUT SOURCES

- Laptops (owner-furnished equipment)
- Barco ClickShare CX-20 R9861512US wireless collaboration

#### VIDEO PROCESSING

- Crestron HD-MD8X8-4KZ-E 8x8 4K60 4:4:4 HDR AV switcher
- Crestron HD-RXC-101-C-E DM Lite HDMI over CATx receiver (7x)
- Crestron HD-TXC-101-C-E DM Lite HDMI / IR / RS-232 over CATx transmitter (7x)

#### SOUND SYSTEM

- SoundTube IPD4-CM52-BGM-II 5.25" IP-addressable Dante ceiling speaker (white)
- Distributed background music + voice for the full cafe footprint

#### CONTROL SYSTEM

- Crestron TSW-1070-B-S 10.1" wall-mount touch panel (black smooth)
- Crestron VC-4-ROOM PC-3 appliance - server-based room control

#### FURNITURE PRODUCTS

- Seating: lounge seating, bench seating, high-top task seating
- Tables / desks: high-top large table, cafe tables, mobile tables
- Cable cubbies at tech bar and booth tables

#### Genius bar + triple 65" wall

Center 65" Avocor touch flanked by 2x 65" LG.

#### Four booths w/ 43" displays

Laptops / tablets connect easily for small-group work.

### TIMELINE

DESIGN

2 weeks

PROCUREMENT

2 weeks

PRODUCTION

2 weeks

INSTALLATION

2 weeks