# pixelARC

In order to meet the growing need for easily accessible mobile device charging the new PixelARC combines a mains AC socket, together with USB charging and wireless charging in one compact yet powerful unit.

Providing 10W of wireless charging power PixelARC is one of the fastest wireless chargers on the market. PixelARC will fast charge wireless enabled phones on contact with a range to accommodate mobile phone cases up to 4 mm thick.

PixelARC includes a standard mains socket plus power delivery USB A+C fast charging in an ultra-compact form. Perfectly suited to desktops and workstations, breakout areas, meeting rooms, hotels, and other public spaces – installation of PixelARC is only limited by the imagination.

PixelARC is simple to install in an 80mm hole cut-out in surface thicknesses from 8-40 mm. Once installed PixelARC is convenient for either a full charge or a quick boost when you need it most!
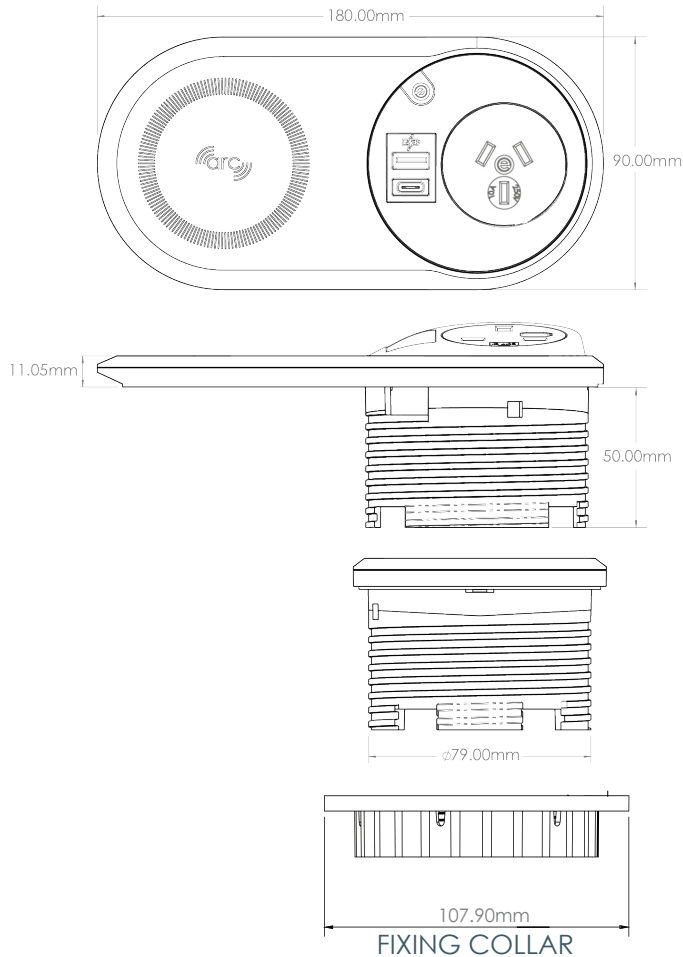
## FEATURES
- Fast Charge up to 10W
- Fast Charge Apple & Samsung
- Commercial Grade, Premium Design
- Easy Installation into Ø80 mm Cutout

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# pixelARC technical

## PixelARC INSTALLATION

PixelARC fits into a standard Ø80mm grommet hole and is securely held in place by the large plastic locking collar which can be tightened by hand.



180.00mm
90.00mm
11.05mm
50.00mm
⌀79.00mm
107.90mm
FIXING COLLAR

## ARC-g (no PixelTUF)



ARC-G is an ARC wireless charger in an 80mm grommet with no pixel / pixelTUF insert. ARC-G is suitable for retro fitting to existing Pixel/PixelTUF modules. Alternatively ARC-G can be installed with the grommet open or fitted with our Brush Grommet for cable feed.

### Configuration

1 x OE 42mm range AC socket
1 x OE TUF A+C 25W USB charger or TUF HP 72W USB Laptop Charger with an under-desk PSU.
1 x OE ARC 10W Wireless charger module

### Construction

High strength fire retardant polycarbonate
Colours
All black with black sockets, white with white sockets
Power cord options:
PixelARC may be ordered either hardwired to:
– mains AC plug to match AC socket type, or
– male Wieland GST18 connector for connection to an under desk module or to a mains supply socket via an OE starter cable

### Wireless charger module power supply;

The ARC wireless charger module requires connection to an external 9V DC supply via the supplied 2 metre USB Type A cable. A plug top USB charger which requires an available below desk AC socket can be ordered as an option with PixelARC

### Quality & Testing

All PixelARC units are manufactured using ISO9001 quality controlled components and practices and are 100% tested before dispatch:

- Visual: Configuration and appearance.
- Power sockets: Continuity, polarity, insulation & earth.
- USB charger: Output voltage and resistance.
- Wireless charger: Charging current in test receiver.

### CERTIFICATIONS:

**AC Power socket:**
AS/NZS 3112

**TUF PD USB charger:**
Certified to IEC 62368-1 : 2014 (safety) EN61204 : 2000 (EMC). (IDR) - PD3.0; QC2/QC3

**TUF HP USB Charger and Power Supply Unit (PSU):**
Safety – UL/IEC 62368-1 : 2014 (safety) EN61204 : 2018 (EMC). (IDR) - PD3.0; QC2/QC3

**ARC Wireless Charger:**
Qi, IEC60950-1 (Safety), EN 301 489-1 (EMC), EN 303 417 (Radio), EN62311 (Health), ROHS

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## ARC Wireless Charger Specifications

| Output Power | 10W (DC5V 1A / 9V 1.1A) |
|---|---|
| Input Power (Charger) | 15W Max (DC5V 2A / 9V 1.67A) |
| Standby Power | 0.1W |
| Charging Z- Distance | up to 4mm for phone cases |

## Arc Wireless Charger Specifications

| Surface Cutout Size | Ø80 mm |
|---|---|
| Surface Thickness | 8-40 mm |
| Certification | Qi, IEC60950-1 (Safety), EN 301 489-1 (EMC), EN 303 417 (Radio), EN62311 (Health), ROHS |

## TUF PD (25W) Specifications

| Internal Over Temp Protection | Yes, self resetting<br>Blue and Green LED Flash |
|---|---|
| Internal Over Voltage Protection | Yes, self resetting |
| Output over current protection | Yes, self limiting<br>Type C - Flash Green<br>Type A - Flash Blue |
| Short Circuit Protection | Yes, self resetting |
| Power indicator | Blue LED Standard Voltage<br>Green LED Higher Voltage (PD/QC) |
| USB Sockets | Gold plated for improved contact. Type A and Type C manufactured for minimum 10.000 insertions. . |
| Charge Standards | (IDR) - Intelligent Device Recognition, PD3.0; QC2/QC3 |
| Standards | Certified to IEC 62368-1 : 2014 (safety) and EN61204 : 2000 (EMC) |

## TUF PD (25W) Specifications

| USB Charging Outlets | 1 x type A female (reversible)<br>1 x type C female (reversible) |
|---|---|
| Charging Current | Type C 5V/3A, 9V/2.22A, 15V/1.65A, 20V/1.2A   (PD3.0)<br>Type A: 5V/3A, 9V/2A, 12V/1.5A    (QC3.0/QC2.0)<br>Combined (A+C) : 5V/4.0A (MAX) |
| Rated Total Output Power | 25W |
| AC Voltage Range | 100-240VAC at 50/60Hz |
| AC Input Current (full load) | Maximum 0.6A |
| Efficiency | Up to 90% |
| Environment | 0-25°c |
| Standby Power | 0.05W |

## TUF HP (72W) Specifications

| USB Charging Outlets | 1 x type A female (reversible)   1 x type C female (reversible) |
|---|---|
| Charging Current | **TYPE C:**   MAX 60W 20V/3A, 15V/3A, 9V/3A, 5V/3A (PD3.0) 3.3-11.0V / 3.2A QC 2/3.0 5V/3A, 9V/2A, 12V/1.5A<br>**TYPE A:** MAX 12W, 5V / 2.4A IDR BC1.2, Apple 12W Mode, Samsung Fast Charge |
| Rated Total Output Power | 72W |
| Input Voltage | 24 – 30V DC |
| Environment | 0-25°C |
| Over Current Protection | Yes. Digital control at 3.3A. Auto reset with LED flash. |
| Short Circuit Protection | Yes. Digital control at 3.3A. Auto reset. |
| Over Temperature Protection | Auto power reduction to PD 45W mode.  20V/2.25A, 15V/3A, 9V/3A, 5V/3A |
| Power Indicator | Green LED |
| Certifications | UL/IEC 62368-1 : 2014 (safety) & EN61204 : 2018 (EMC) |

## QF30 PSU Specifications

| Input Connectors | 1x Male Mains GST18/3 input 20A Installation Coupler |
|---|---|
| Output Connectors | 1x Female Mains GST18/3 output 20A Installation Coupler<br>1x Female 30V DC GST08 output |
| Input Voltage | 100-230 VAC 50-60HZ |
| Rated Input Current | 1.7A |
| AC Through Current Rating | 20A |
| Output Power | MAX 70 Watts |
| Output Voltage | 30V DC |
| Output Current Rated | 2.34A |
| Standby Power | 0.21W |
| Efficiency | 92% Max |
| Over Current Protection | Yes |
| Short Circuit Protection | Yes |
| Over Temperature Protection | Yes |
| Status Indication | Yes Blue LED - POWER ON |
| Standards | UL/IEC 62368-1 : 2018 (safety) and  EN61204 : 2018 (EMC) |